

AD-A082 417

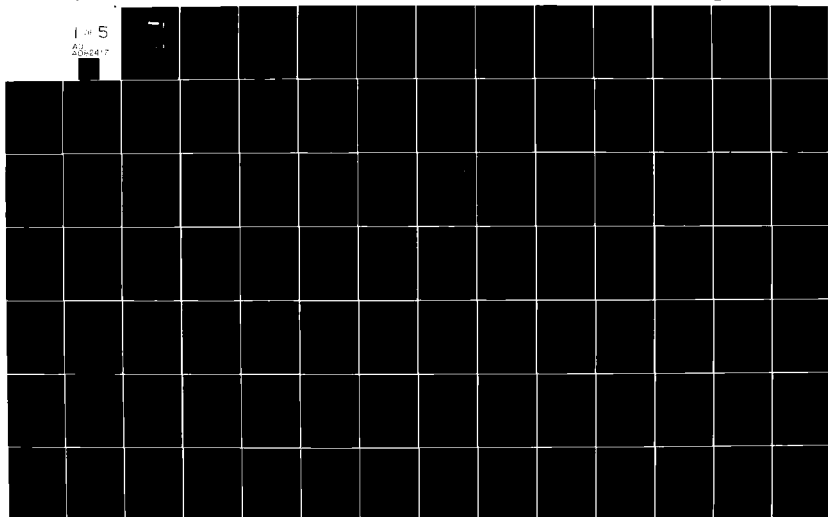
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/P
VANDENBERG AFB, LONG BEACH, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)
AUG 79

UNCLASSIFIED

USAFETAC/DS-80/888

12

1-5
AL
2001417



PHOTOGRAPH THIS SHEET

ADA082417

DTIC ACCESSION NUMBER

II

LEVEL



Camera Operator
When Filming attached document
use Bell & Howell camera ONLY!!!



INVENTORY

Consult with Supervisor for
further instructions.

USAFETAC/DS-80/25

DOCUMENT IDENTIFICATION

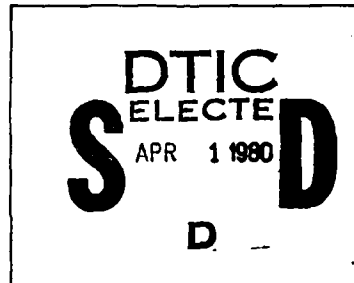
DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I <input checked="" type="checkbox"/>
DTIC	TAB <input type="checkbox"/>
UNANNOUNCED	<input type="checkbox"/>
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	

DISTRIBUTION STAMP



DATE ACCESSIONED

80 3 31 092

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
USAFETAC/DS-80/025																	
4. TITLE (and Subtitle)		5. TYPE OF REPORT & PERIOD COVERED															
Revised Uniform Summary of Surface Weather Observations (RUSSWO)-		Final rept.															
Vandenberg AFB, LOMPOC, California		6. PERFORMING ORG. REPORT NUMBER															
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)															
9. PERFORMING ORGANIZATION NAME AND ADDRESS		10. PROGRAM ELEMENT PROJECT, TASK AREA & WORK UNIT NUMBERS															
USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225																	
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE															
USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		7 Aug 79															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES															
		p.															
		15. SECURITY CLASS. (of this report)															
		UNCLASSIFIED															
		15a. DECLASSIFICATION DOWNGRADING SCHEDULE															
16. DISTRIBUTION STATEMENT (of this Report)																	
Approved for public release; distribution unlimited.																	
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)																	
<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)																	
<p>This report is a six-part statistical summary of surface weather observations for Vandenberg AFB, LOMPOC, California</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>																	

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* California

* Vandenberg AFB, CA

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

**DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)**

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

VANDENBERG AFB CA WBAN# 93214
N 34 43 W 120 34 FLD ELEV 368 FT VBG WMO # 72393

PARTS A-F

POR FROM HOURLY OBS: MAR 67 - DEC 70, JAN 73 - FEB 79
POR FROM DAILY OBS: JUN 58 - FEB 79

AUG 07 1979

FEDERAL BUILDING
ASHEVILLE, N. C.

ADA082417

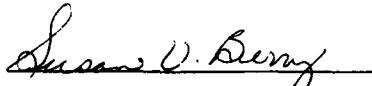
DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited


Review and Approval Statement

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.


SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

VANDENBERG AFB CA IS A LIMITED OBSERVATION STATION.
FOR THE PERIOD OF RECORD 1974 AND LATER, THE STATION
OPERATED LESS THAN 24 HOURS PER DAY.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO OR SUMMARY 93214		STATION NAME VANDENBERG AFB, CALIFORNIA		LATITUDE N 34 43		LONGITUDE W 120 34		FIELD ELEV (FT) 368		CALL SIGN VBG		WMO NUMBER 72393	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BARD.					
1	Cooke AFB, California	AFB	Jun 58	Jan 59	N 34 43	W 120 34	368	341 ft	24				
2	Vandenberg AFB, California	AFB	Feb 59	Jan 61	Same	Same	Same	Same	24				
3	Same	AFB	Feb 61	Apr 63	Same	Same	Same	552	24				
4	Same	AFB	May 63	Dec 70	Same	Same	Same	380	24				
5	Same	Same	Jan 71	Aug 73	Same	Same	Same	Same	24				
6	Same	Same	Sep 73	Dec 75	Same	Same	Same	Same	17				
7	Same	Same	Jan 76	Apr 78	Same	Same	Same	Same	11				
8	Same	Same	May 78	Feb 79	Same	Same	Same	Same	10				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jun 58	Read off indicator by tower operator passed on to Rosby intercom.	AN/GMQ-11	N/A	16 ft.	
2	Feb 59	Located 200 ft N of weather stn.	AN/GMQ-1A	ML204B	15 ft.	
3	Mar 59	Located on top of tower.	Same	Same	75 ft.	
4	Oct 60	Located near approach end of runway 30, 3500 ft from Rep. site in control tower.	AN/GMQ-11	RO-2	13 ft.	
5	Mar 64	Located 5/8 of a mile S of ROS.	Same	Same	Same	
6	Mar 66	1. Located 1070 ft N and 110 ft E of runway 30. 2. Located 250 ft S and 860 ft E of runway 12.	Same	Same	Same	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Dec 70	1. Same	Same	Same	Same	
		2. Same	Same		Same	
8	Feb 79	1. Same	Same	Same	Same	
		2. Same	Same		Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03214 VANDENBERG AFB CA 7-73-79 04
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM WEATHER OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		11.0				11.0	13.7				13.7	872
	03-05		6.2				6.2	10.1	.2			10.1	617
	06-08		10.0				10.0	13.3	.3			13.3	860
	09-11	.1	6.2				6.9	8.2	.9			8.6	515
	12-14		.3				6.3	6.7	.9			7.5	487
	15-17	.1	6.2			.1	6.9	8.4	2.1			6.7	44
	18-20		.2				6.2	13.2	1.4			14.5	930
	21-23		1.2				10.2	13.7	1.3			14.3	926
TOTALS		.3	6.8			.1	8.8	10.9	.9			11.5	4549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

9-7, 73-79
YEARS

FI
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		15.6				15.6	13.0				13.0	337
	03-05		10.6				10.6	10.1				10.1	424
	06-08		10.4				10.4	14.7	1.1			14.9	550
	09-11	.1	7.2				7.2	9.2	1.7			10.1	121
	12-14		5.5				5.5	5.7	2.6			7.2	174
	15-17		5.7				5.7	10.1	2.9			11.8	120
	18-20		4.3				4.3	11.9	1.3			12.1	445
	21-23	.5	11.4				11.4	11.6				11.6	329
TOTALS		.1	8.8				8.8	10.6	1.2			11.4	4320

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-78
YEARS

1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		5.1				5.1	15.7	.4			15.7	471
	03-05		4.6				4.6	13.6				13.6	360
	06-08		6.7				6.7	18.7	.8			18.7	546
	09-11	.6	5.4				5.4	10.7	2.0			11.1	660
	12-14	.2	5.5				5.5	6.4	2.0			7.6	369
	15-17	.2	5.4				5.4	8.6	2.7			9.8	464
	18-20		5.2				5.2	14.6	2.4			15.1	576
	21-23		4.9				4.9	15.0	.7			15.0	540
TOTALS		.1	5.4				5.4	12.9	1.4			13.3	5432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-76
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		5.1				5.1	13.6	.0			14.4	450
	03-05		4.6				4.6	14.3	.2			14.4	540
	06-08	.1	3.4		.1		3.4	18.8	1.8			20.3	700
	09-11		3.3				3.3	12.2	2.3			14.2	625
	12-14		3.2				3.2	5.6	1.9			7.4	525
	15-17		2.8				2.8	6.8	2.3			9.0	613
	18-20		2.7				2.7	10.3	1.8			11.7	546
	21-23		2.1				2.1	12.2	1.2			14.0	513
TOTALS		.0	3.4		.0		3.4	11.8	1.6			13.2	5218

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-73, 73-76
YEARS

11A
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		4.9				4.9	35.4	.9			35.6	406
	03-05		4.7				4.7	32.9	1.3			33.5	550
	06-07		3.9				3.9	42.4	3.6			45.1	778
	09-11		1.0				1.0	23.2	3.8			25.5	640
	12-14		.4				.4	14.2	5.0			16.1	640
	15-17		.5				.5	14.0	4.1			16.4	779
	18-20		.4				.4	24.6	3.9			27.0	550
	21-23		2.5				2.5	28.5	2.7			30.6	527
TOTALS			2.3				2.3	26.7	3.2			28.7	5349

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214 VANDENBERG AFB CA 7-70, 73-76 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM PUBLISHED OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02		12.7				12.7	38.9	.4			39.1	450
	03-05		13.0				13.0	42.4	.6			42.6	540
	06-08		7.9				7.9	51.7	3.0			53.6	722
	09-11		1.1				1.1	23.6	2.3			25.2	110
	12-14		.2				.2	12.2	3.1			14.7	112
	15-17	.6	1.0				1.0	16.2	3.0			17.7	722
	18-20	.4	1.5				1.5	28.1	3.9			31.1	540
	21-23		3.9				3.9	32.1	3.5			35.2	511
TOTALS		.1	5.2				5.2	30.7	2.5			32.4	5107

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02		8.4				8.4	71.4	1.9			72.3	465
	03-05		10.2				10.2	66.1	.9			66.5	558
	06-08		7.2				7.2	77.5	1.0			77.8	724
	09-11		1.4				1.4	38.4	5.3			41.0	307
	12-14							14.6	4.5			17.2	307
	15-17		.1				.1	22.1	5.2			23.8	124
	18-20		.4				.4	49.5	5.2			51.1	558
	21-23		2.3				2.3	57.9	1.5			58.8	527
TOTALS			3.8				3.8	49.7	3.2			51.1	5170

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02		5.3				5.3	76.5	.4			76.5	406
	03-05		8.2				8.2	68.5	.4			68.5	559
	06-08		5.0				5.0	80.1	1.9			81.1	739
	09-11		.7				.7	43.8	4.6			45.7	371
	12-14							15.4	5.0			17.1	525
	15-17		.1				.1	24.0	5.0			24.8	717
	18-20		.5				.5	53.2	2.7			53.6	558
	21-23		2.1				2.1	62.1	.6			62.3	520
TOTALS			2.7				2.7	53.0	2.6			53.7	5245

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.3	5.8				5.8	56.9	.8			57.5	360
	03-05	.8	7.1				7.1	46.9	.6			46.9	480
	06-08	.3	9.1				9.1	62.2	1.3			63.1	712
	09-11	.3	2.8				2.8	36.4	4.7			39.0	194
	12-14		.5				.5	19.6	6.5			23.5	192
	15-17	.3	1.1				1.1	24.8	5.4			27.2	107
	18-20	.6	3.7				3.7	46.7	2.2			47.2	540
	21-23	.8	3.1				3.1	50.3	1.2			50.5	421
TOTALS		.4	4.2				4.2	43.0	2.8			44.4	4849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02		5.2				5.2	33.0				33.2	344
	03-05		3.1				3.1	29.8	.2			29.8	314
	06-08		3.6				3.6	38.5	2.1			39.7	123
	09-11		1.9				1.9	24.3	4.0			26.7	604
	12-14		.7				.7	13.7	4.7			15.9	504
	15-17		2.3				2.3	19.4	4.6			21.3	137
	18-20		3.1				3.1	28.5	1.6			29.4	572
	21-23		3.3				3.3	29.2	.2			29.2	518
TOTALS			2.9				2.9	27.2	2.2			28.2	5056

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214 STATION VANDENBERG AFB CA 7-70, 73-76 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.3	6.1				6.1	23.6				23.6	366
	03-05		6.2				6.2	17.9				17.9	480
	06-08		4.3				4.3	19.7	1.2			20.4	543
	09-11		2.8				2.8	10.1	2.7			12.4	785
	12-14		1.9				1.9	6.4	5.0			10.1	786
	15-17		2.3				2.3	13.3	3.7			15.2	781
	18-20		5.0				5.0	18.5	3.7			19.6	540
	21-23		7.2				7.2	20.6	.4			20.6	538
TOTALS		.0	4.5				4.5	16.3	2.1			17.5	4833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		5.1				5.1	11.7				11.7	370
	03-05		7.2				7.2	7.4				7.4	499
	06-08		5.7				5.7	11.8	.7			11.3	584
	09-11		4.6				4.6	8.7	1.1			8.9	613
	12-14		4.5				4.5	5.9	1.4			6.6	614
	15-17		3.6				3.6	8.7	1.9			9.8	505
	18-20		6.2				6.2	8.7	.9			9.4	564
	21-23	.2	6.3				6.3	12.0	.5			12.3	559
TOTALS		.0	5.4				5.4	9.4	.8			9.7	5013

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-79
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	8.8			.0	8.8	10.9	.9			11.5	4919
FEB		.1	8.8				8.8	10.7	1.2			11.4	4320
MAR		.1	5.4				5.4	12.9	1.4			13.3	5452
APR		.0	3.4		.0		3.4	11.2	1.6			13.2	5210
MAY			2.3				2.3	26.7	3.2			28.7	5349
JUN		.1	5.2				5.2	30.7	2.5			32.4	5107
JUL			3.8				3.8	49.7	3.2			51.1	5173
AUG			2.7				2.7	53.0	2.6			53.7	5245
SEP		.4	4.2				4.2	43.0	2.8			44.4	4069
OCT			2.9				2.9	27.2	2.2			28.2	5050
NOV		.0	4.5				4.5	16.3	2.1			17.5	4033
DEC		.0	5.4				5.4	9.4	.8			9.7	5013
TOTALS		.1	4.8		.0	.0	4.8	25.2	2.0			26.3	50057

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC OBSERVATIONS

93214
STATION

WHEELER AFB CA
STATION NAME

7-74

YEARS

JUL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.3	27.3		.2	1.3	27.3	31.4	5.0			33.0	615
FEB		.7	31.1			.7	31.1	39.6	10.5			40.1	563
MAR		.4	30.2	.2	.2	.7	30.2	40.2	9.6			41.0	602
APR		.3	24.8		.2	.3	24.8	46.4	12.3			47.4	575
MAY		.2	23.7				23.7	59.1	15.9			61.1	521
JUN		.8	28.7				28.7	73.3	16.7		.3	74.5	599
JUL		.7	29.7				29.7	89.7	22.1			90.5	610
AUG		.5	26.0				26.0	88.0	17.7			89.2	620
SEP		2.0	22.9			.2	22.9	72.7	15.6			73.0	597
OCT		.2	19.1				19.1	59.7	17.1			60.5	615
NOV		.4	25.1			.2	25.1	44.0	13.2		.2	45.0	593
DEC		.2	24.1		.2	.5	24.1	34.5	9.6			35.3	615
TOTALS		.7	26.1	.0	.1	.3	26.1	56.6	14.1		.0	57.6	7176

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USNS)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2

GLOBAL CLIMATOLOGY BRANCH
USAFITAC
AIR WEATHER SERVICE/PAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

93216 VANUAFORCE AFB CA

2-7

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	71.0	6.0	1.0	4.6	5.3	4.1	2.1	2.3	2.1					24.0	613	2.33	1.00	0.00	
FEB	60.2	6.2	1.1	3.7	4.0	6.4	4.0	3.7	2.0					27.3	501	2.45	1.1	0.0	
MAR	60.0	9.3	2.1	5.5	2.2	5.3	2.0	3.5	1.0					24.1	602	1.72	1.00	0.0	
APR	71.0	0.5	2.1	4.3	2.3	4.1	2.0	2.4						18.4	570	1.20	4.1	0.01	
MAY	74.2	15.4	3.0	5.5	1.0	.5	.2	.2	.2					12.4	502	.10	2.7	0.0	
JUN	71.0	2.2	3.0	4.0		.5								7.5	528	.00	2.2	0.0	
JUL	60.0	15.4	2.3	3.0	.2									5.4	612	.02	1.4	0.0	
AUG	71.0	2.3	3.2	1.3	.0	.3		.2						1.6	520	.03	1.00	0.00	
SEP	72.0	15.4	4.0	3.2	1.2	.7	1.0	.2	.0					15.4	526	.10	2.2	0.0	
OCT	70.0	11.7	1.1	2.0	1.1	1.8	1.1	.7	.5					1.3	613	.03	2.05	0.00	
NOV	70.0	7.0	1.3	4.4	2.5	4.0	4.4	3.2	1.0					20.1	593	2.01	0.26	0.00	
DEC	70.0	4.7	2.0	4.1	1.0	2.4	3.0	2.0	1.0	.3				21.3	615	1.93	0.30	0.10	
ANNUAL	71.0	13.1	2.0	3.7	1.0	2.6	2.2	1.7	.0	.0				15.3	7105	13.05			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

FROM DAILY OBSERVATIONS

93214 STATION VANDENBERG AFB CA STATION NAME

58-79 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
58						*TRACE	.02	.01	.37	TRACE	.07	.18	
59	1.35*	1.18	.01	.18	TRACE	TRACE	TRACE	.01	.31	TRACE	.00	.19	1.35
60	.92	1.53	.20	1.16	.01	.01	TRACE	.02	.00	1.49	.92	.73	1.53
61	.61	.08	.35	.09	.06	.04	.01	TRACE	.01	TRACE	.68	.82	.82
62	.89	1.75	.96	.01	.14	TRACE	TRACE	TRACE	TRACE	.27	.01	.50	1.75
63	.47	2.05	1.31	.71	.31	.02	TRACE	.20	.32	.45	.82	.11	2.05
64	1.30	.07	.89	.34	.16	.03	.05	.07	TRACE	.96	.64	.51	1.30
65	.43	.37	.60	1.32	.01	TRACE	.03	.01	.05	.03	1.35	1.26	1.35
66	.98	.31	.30	.03	.02	.02	.01	.01	.09	.01	1.10	3.04	3.04
67	.79	.21	.70	.77	.28	.13	TRACE	.02	.13	TRACE	.71	.63	.79
68	.43	.74	1.59	.65	.13	.01	TRACE	.07	TRACE	1.29	.41	.52	1.59
69	1.60	1.66	.16	1.07	.05	.05	.02	.01	.10	.35	.81	.24	1.66
70	.52	1.45	.68	.05	TRACE	.04	.01	TRACE	.02	.18	1.45	.78	1.45
71	.45	.15	.54	.90	.70	.01	.09	.10	.10	.06	.50	.57	.90
72	.11	.14	TRACE	.26	.03	.03	.02	TRACE	.02	.93	1.34	.63	1.34
73	2.26	1.42	.87	.04	.07	TRACE	TRACE	TRACE	.06	.34	.73	.87	2.26
74	1.46	.11	1.84	.76	.07	.03	.03	.02	.03	1.12	.12	2.75	2.75
75	.16	1.04	1.36	.46	.10*	TRACE*	.03*	.01*	.03*	.24*	.35*	.18	1.36
76	* .00*	.61*	.73*	.54*	.01*	.18*	.04*	.87*	.99*	.13*	.08*	.38	* .99
77	* 1.33*	.17*	1.04*	.02*	2.15*	.04*	.03*	.03*	.06*	.06*	.24*	1.65	* 2.15
78	* 1.12*	2.00*	2.21*	.80*	.02*	.03*	.04*	.00*	1.72*	.00*	.60*	.53	* 2.21
79	* 1.75*	1.03											
MEAN	.866	.818	.727	.518	.126	.026	.017	.032	.095	.440	.686	.843	1.639
S D	.573	.719	.550	.435	.174	.032	.022	.052	.121	.511	.465	.826	.657
TOTAL OBS	613	561	602	576	589	593	610	620	596	613	593	615	7186

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

93214 STATION VANDENBERG AFB CA STATION NAME

58-79

FROM DAILY OBSERVATIONS

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
58						*TRACE	.02	.03	.60	TRACE	.11	.18	
59	1.63*	3.37	.02	.18	TRACE	TRACE	TRACE	.01	.41	TRACE	.00	.25	* 5.87
60	3.43	3.90	.50	1.74	.01	.01	TRACE	.04	.00	1.66	3.36	.84	15.49
61	1.08	.16	.70	.10	.08	.04	.01	TRACE	.01	TRACE	1.39	1.15	4.72
62	2.10	9.21	2.05	.01	.17	TRACE	TRACE	TRACE	TRACE	.44	.01	.53	14.52
63	.89	3.12	3.41	2.56	.36	.04	TRACE	.27	.53	.83	2.58	.16	14.75
64	1.89	.08	2.66	.46	.28	.07	.05	.07	TRACE	1.88	2.32	2.61	12.37
65	1.11	.48	1.66	4.03	.01	TRACE	.03	.01	.05	.03	6.26	2.82	16.42
66	1.18	1.25	.32	.05	.05	.03	.03	.04	.15	.01	2.11	5.47	10.69
67	1.84	.40	2.29	4.61	.36	.32	TRACE	.02	.39	TRACE	2.33	1.39	13.95
68	1.14	1.22	3.68	1.13	.19	.01	TRACE	.07	TRACE	2.55	.94	2.39	13.32
69	9.30	7.73	.60	1.88	.12	.18	.03	.01	.19	.52	1.58	.73	22.87
70	2.02	2.09	1.13	.11	TRACE	.09	.01	TRACE	.03	.18	2.46	3.04	11.16
71	1.11	.24	.93	1.37	.95	.03	.10	.12	.10	.08	.92	3.14	9.09
72	.21	.37	TRACE	.31	.05	.04	.02	TRACE	.02	1.46	5.03	1.46	8.99
73	2.61	5.92	3.46	.05	.18	TRACE	TRACE	TRACE	.17	.58	2.67	1.98	20.62
74	5.59	.24	5.18	1.10	.10	.07	.08	.08	.14	1.45	.14	4.71	18.88
75	.33	2.76	4.02	.78	.17	*TRACE*	.06*	.03*	.04*	.58*	.35*	.20	* 9.32
76	* .00*	2.61*	1.69*	1.49*	.01*	.23*	.14*	1.04*	2.28*	.16*	.18*	.38	*10.21
77	* 2.27*	.22*	1.44*	.07*	2.67*	.06*	.04*	.05*	.11*	.13*	.25*	5.50	*12.81
78	* 5.05*	7.97*	5.69*	2.64*	.02*	.06*	.11*	.00*	1.72*	.00*	1.31*	1.11	*25.72
79	* 4.61*	2.92											
MEAN	2.380	2.448	1.918	1.204	.181	.058	.022	.045	.164	.686	2.014	1.932	13.861
S.D.	2.772	2.880	1.585	1.399	.230	.084	.028	.067	.197	.812	1.738	1.564	4.726
TOTAL OBS.	613	561	602	576	589	598	610	620	596	613	593	615	7186

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATELOGY BRANCH
USAF/PA
AIR WEATHER SERVICE/PAO

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

93214 VANDENBERG AFB CA

7-7

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.9	.5		.3										.7	517	.1	1.4	
FEB	100.0														507	.0	.7	
MAR	100.0														507	.0	.7	
APR	100.0														577	.0	.7	
MAY	100.0														507	.0	.7	
JUN	100.0														507	.0	.7	
JUL	100.0														517	.0	.7	
AUG	100.0														527	.0	.7	
SEP	100.0														595	.0	.7	
OCT	100.0														617	.0	.7	
NOV	100.0														597	.0	.7	
DEC	100.0														615	.0	.7	
ANNUAL	99.9	.0		.0										.7	7186	.1		

2

SNOWFALL

FROM DAILY OBSERVATIONS

58-79

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

XXXXXXXXXXXXXXXXXXXX
 EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXX
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY STATION
USAF/FAA
AIR WEATHER SERVICE/FAA

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

93214 WHEELERS AFB CA

1-7

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.0	0.0													613			
FEB	100.0														567			
MAR	100.0														500			
APR	100.0														576			
MAY	100.0														580			
JUN	100.0														600			
JUL	100.0														610			
AUG	100.0														620			
SEP	100.0														596			
OCT	100.0														613			
NOV	100.0														597			
DEC	100.0														615			
ANNUAL	100.0	0.0													7188			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

93214 VANDENBERG AFB CA
STATION STATION NAME

58-79
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
58						0	0	0	0	0	0	0	
59	0	0	0	0	0	0	0	0	0	0	0	0	
60	0	0	0	0	0	0	0	0	0	0	0	0	
61	0	0	0	0	0	0	0	0	0	0	0	0	
62	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
63	0	0	0	0	0	0	0	0	0	0	0	0	
64	0	0	0	0	0	0	0	0	0	0	0	0	
65	0	0	0	0	0	0	0	0	0	0	0	0	
66	0	0	0	0	0	0	0	0	0	0	0	0	
67	0	0	0	0	0	0	0	0	0	0	0	0	
68	0	0	0	0	0	0	0	0	0	0	0	0	
69	0	0	0	0	0	0	0	0	0	0	0	0	
70	0	0	0	0	0	0	0	0	0	0	0	0	
71	0	0	0	0	0	0	0	0	0	0	0	0	
72	0	0	0	0	0	0	0	0	0	0	0	0	
73	0	0	0	0	0	0	0	0	0	0	0	0	
74	0	0	0	0	0	0	0	0	0	0	0	0	
75	0	0	0	0	0*	0*	0*	0*	0*	0*	0*	0	*
76	*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	*
77	*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	*
78	*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	*
79	*	0*	0										
MEAN	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
S.D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	613	562	602	576	588	600	610	620	596	613	593	615	7188

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

2

SURFACE WINDS

FROM DAILY OBSERVATIONS.

58-79

YEARS

DAILY PEAK WINDS IN KNOTS

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
58															
59															
60															
61															
62															
63															
64		SSW	361W	27ESE	31NW	32NW	31NW	32NNW	28NW	22NW	24ESE	21SW	29ESE	32	SSW 36
65		NNW	32NNW	32SE	40NNW	34NNW	35NNW	29NW	25NW	23NW	25NNW	30SE	35SW	*31	SE 40
66		SE	33NW	30NW	33NNW	25NW	20NNW	30NNW	23NW	22NW	24NNW	25ESE	28SE	*34	SE *34
67		SSW	33NNE	24NNW	28NW	29NNW	27NW	23NW	*16NNW	*21NNW	20NW	28SE	26S	28	SSW 33
68		NW	22SE	*22NNW	26NNW	36NNW	28NNW	2629/	2429/	2831/	3231/	2832/	3133/	33	NNW 36
69		33/	4119/	4132/	3633/	3532/	3332/	3132/	2531*	2434/	2633/	3215/	3333/	33	33/ 41
70		13/	3217/	3133/	2932/	3337/	3232/	3632/	2532/	2333/	2732/	2428/	3813/	32	28/ 38
71		33/	2933/	3533/	3330/	3234/	2632/	2033/	2832/	2931/	3033/	3233/	2513/	39	13/ 39
72		33/	2933/	2834/	3333/	3133/	2933/	3233/	2334/	3034/	2517/	3234/	3030/	32	34/ 33
73		13/	3616/	4033/	3733/	3735/	3035/	3234/	2633/	2533/	2733/	2716/	2931/	28	16/ 40
74		14/	3433/	3233/	2531/	3133/	2731/	2033/	2433/	2132/	1932/	36 1/	2613/	35	32/ 36
75		34/	2818/	3313/	4033/	3032/	3534*	3033*	2532*	2232*	2033*	2933*	3033*	26	13/ 40
76		33*	1933*	2531*	3231*	4032*	2433*	3232*	2632*	2923*	22 2*	26 2*	20 3*	25	31* 40
77		33*	2033*	2933*	3222*	3232*	3032*	2433*	2031*	2534*	2833*	24 1*	3215*	44	15* 44
78		26*	3831*	3014*	3232*	2433*	3034*	2832*	2511*	3034*	3133*	1713*	2431*	32	26* 36
79		14*	4114*	30											
MEAN		32.1	32.1	32.6	32.1	29.5	28.3	25.2	24.8	25.1	28.3	30.0	31.4	37.0	
S D		4.793	5.147	5.035	3.288	4.095	5.065	1.722	3.190	3.753	4.330	3.838	4.575	2.530	
TOTAL OBS		455	418	439	419	453	444	448	455	440	450	436	444	530	

NOTES		# (BASED ON LESS THAN FULL MONTHS)
USAF ETAC FORM 10-41 0-88-5 (OLA)		\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

44214 STATION VANDENBERG AFB CA 50-70.73 YEARS JA MONTH
CLASS ALL WEATHER 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	1.3	.1								5.9	5.1
NNE	.5	2.2	1.7	1.1								5.6	7.2
NE	1.3	1.3	.3	.3								3.2	4.5
ENE	1.7	1.3	.3									3.5	3.1
E	1.5	12.4	3.0									18.8	4.7
ESE	4.0	15.9	4.0	.1								25.5	7.3
SE	1.5	4.0	3.2	1.3	2.7	.1						15.3	8.8
SSE	.5	.6	.5	.5	.3							2.7	7.1
S		.3	.3	1.1	1.0							3.2	14.1
SSW	.5		.2									.8	4.0
SW													
WSW	.2	.2	.2									1.6	5.0
W	.2	.3		.2								.8	7.0
WNW		.3	.1									.5	7.0
NW	.1	.5	1.1									1.9	7.0
NNW	.1	.3	1.7	.2	.3							3.0	11.6
VARBL													
CALM												7.5	
	14.0	42.5	14.4	3.0	4.0	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 372

GLOBAL CLIMATE BRANCH
USAFETAC
AIR LAUNCH SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION VALLEJO AFB CA STATION NAME VALLEJO AFB CA YEARS 70-73, 78 MONTH JAN
CLASS ALL WEATHER HOURS (LST) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.9	1.0	.3								5.6	6.1
NNE	1.4	2.9	.8	.0								5.9	5.9
NE	1.0	1.1	.3	.3								3.2	4.3
ENE	.4	2.4										3.2	4.4
E	4.2	6.7										11.2	3.1
ESE	3.1	17.6	6.7									29.4	5.2
SE	3.2	8.3	3.2	1.0	2.9							19.5	7.7
SSE	.2	.3	1.3	.3	.3							2.7	7.5
S	.3	.3	.0	.3	.3	1.3						3.5	15.5
SSW	.2				.3							.8	8.3
SW		.3										.3	4.0
WSW		.3										.3	4.7
W	.2	.3										.8	3.3
WNW	.3	.5	.3									1.3	6.2
NW	.2											.5	2.0
NNW	.2	1.2	.0	.0								3.7	6.8
VARBL													
CALM												8.0	
	21.1	42.2	10.0	4.3	3.7	1.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 374

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 66-70, 73-79 MONTH JAN
CLASS ALL HEIGHTS 0600-0000
HOURS (LST) 0600-0000
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.8	2.2	.1								6.2	4.4
NNE	1.2	3.0	1.2	.2								5.9	5.4
NE	1.2	1.3	.5									3.1	4.3
ENE	.2	1.2										2.0	4.2
E	4.4	7.6	1.0									13.7	4.2
ESE	0.1	17.6	8.6	.2								32.1	5.3
SE	3.1	4.9	4.1	2.2	1.2	.2						16.6	2.0
SSE		.5	.2	.2	.2							1.5	10.2
S	.2	.5	.2		.2							.8	4.8
SSW	.4	.2			.2	.2	.2					1.2	10.1
SW	.4			.2								.5	2.3
WSW			.2									.2	4.0
W	.2		.3	.2								.7	6.5
WNW	.2	.2			.2							.8	5.6
NW	.2	1.0	1.2	.2	.2							2.6	7.6
NNW	1.2	2.0	1.4	.3								5.3	5.8
VARBL													
CALM												6.9	
	21.7	41.0	21.4	5.3	2.5	.2	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA STATION NAME ALL AF THIR YEARS 66-70, 73-79 MONTH JA
CLASS 0900-1100
HOURS (LST.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.4	4.5	1.3	.1							17.5	7.0
NNE	.7	2.1	2.2	.7								5.7	6.9
NE	.7	.7	.2									1.7	4.2
ENE	1.1	.5										1.6	2.5
E	3.1	2.6	.2									5.9	3.6
ESE	5.5	8.8	4.4	.5	.2							19.4	5.3
SE	3.1	6.0	4.0	2.7	1.8	.2	.1					19.2	4.3
SSE	1.3	1.0	1.5	1.0	.5							6.6	7.9
S	1.0	.5	.5	.5	.1							2.7	6.6
SSW	.7	.6	.2	.2								1.8	5.4
SW	.4	.2		.2								.9	5.7
WSW	.5		.1	.1								.9	4.8
W	1.0	.9	.2	.1								2.2	4.7
WNW	1.0	.4	.4	.1	.1							2.0	5.6
NW	.5	1.1	2.0	.6								4.2	7.3
NNW	1.2	2.3	2.4	1.0								7.5	6.8
VARBL													
CALM												8.3	
	24.4	30.1	23.0	10.3	2.9	.2	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANWINDLE AFB CA STATION NAME 60-70, 73-79 YEARS MONTH JAN
CLASS ALL WINDS HOURS 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.6	2.3	.4							5.9	9.6
NNE	.2	.5	.5	.4	.1							1.7	8.6
NE	.2	.1										.4	3.7
ENE	.2	.2	.2									.7	4.5
E	.2			.1								.4	7.0
ESE	.0	1.0	.2	.9	.5							3.4	9.4
SE	.4	.7	1.1	2.6	.9	.2	.1					6.2	12.6
SSE	.4	.7	1.8	1.7	.9							5.5	10.6
S	.7	.6	1.3	1.2	.5							4.4	9.5
SSW	.2	.9	1.0	.4	.1							2.6	7.6
SW	1.0	.9	1.0	.2								3.1	5.6
WSW	.7	3.5	1.5	.4								6.1	5.8
W	3.4	4.8	1.1	.0								9.9	5.0
WNW	2.0	5.5	1.6	1.0								10.9	5.5
NW	1.8	8.4	8.8	4.4	.5							19.9	8.0
NNW	1.3	2.1	5.5	5.7	.2	.2						15.2	9.7
VARBL													
CALM												3.8	
	14.7	29.2	25.6	22.1	4.0	.5	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

54-70, 73-79
YEARS

JA 13
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.1	1.1	1.7	.1	.1						5.8	7.9
NNE	.7	.9	.4	.4								2.3	6.3
NNE	.1	.2										.4	4.7
ENE													
E	.1	.1										.2	3.0
ESE	.2	.1	.2	.2	.4	.1						1.4	11.9
SE	.1	.5	2.6	2.4	.4	.2						6.8	11.6
SSE	.1	.7	2.2	1.0	.1							4.8	9.9
S	.4	.9	1.7	.9	.5							4.3	9.6
SSW	.1	.5	.7	.4								1.7	7.9
SW	.4	.7	.7	.4								2.2	6.8
WSW	.0	1.5	.9									2.9	5.2
W	1.7	4.9	1.0									7.6	4.9
WNW	2.7	3.1	2.0	.7								8.5	5.4
NW	2.7	7.7	6.6	3.3	1.1							21.5	7.6
NNW	2.3	6.3	7.4	7.7	.9	.1						24.7	9.0
VARBL													
CALM												4.9	
	16.0	29.2	27.5	20.3	3.4	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 814

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 68-70, 73-75, 79 YEARS JA MONTH
1800-2000 HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.5	3.2	1.0								13.7	5.9
NNE	1.6	1.6	1.2	.2								4.8	5.0
NE	1.6	.7	.4									2.7	3.8
ENE	1.8	.7	.5									3.0	3.6
E	2.9	2.1	.9									5.9	3.7
ESE	2.9	.9	.9	.4	.2							7.1	4.8
SE	1.4	2.3	2.5	2.3	.7	.7						10.0	9.7
SSE	.7	.4	.7	1.1	.4							3.2	9.7
S	.7		.9	.4								2.0	7.0
SSW	.2		.4	.4	.2							1.1	10.8
SW	.7	.4	.5									1.6	4.7
WSW	.2	.5	.2									.9	5.0
W	.7	.5	.2									1.4	4.0
WNW	.9	.5	.2									1.6	3.6
NW	3.0	2.3	1.0	1.2								8.2	5.9
NNW	1.6	5.7	5.5	3.0	.4							16.2	7.7
VARBL													
CALM												16.4	
	25.5	25.2	19.8	10.5	1.8	.7						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 560

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 68-70, 73-75 YEARS JAN MONTH
CLASS ALL WEATHER
CONDITION
2100-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	2.6	1.3	.2							10.0	6.2
NNE	2.3	3.6	1.1									7.0	4.6
NE	1.3	1.1	.8	.2								3.4	4.6
ENE	1.7	.4	.2									2.3	3.2
E	4.5	6.0	1.1									11.7	4.1
ESE	5.5	10.5	3.2	.8	.2							20.1	5.2
SE	2.3	5.6	.9	2.6	1.3	.6						13.3	8.5
SSE	.9	.6	.9	1.1	.2							3.8	8.6
S	.4	.6	.6	1.1		.6						3.2	11.5
SSW			.2	.4								.9	11.2
SW	.6	.6										1.1	4.0
WSW	.2	.4										.6	4.3
W	.2											.2	2.0
WNW	.4	.2										.6	2.7
NW	.6	1.7	1.1									3.4	5.5
NNW	1.1	1.1	3.6	1.7	.2							7.7	7.8
VARBL													
CALM												10.9	
	24.4	35.5	16.4	9.6	2.1	1.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 68-70, 73-79 YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.2	2.4	1.4	.1	.0						8.0	6.9
NNE	1.1	1.9	1.1	.5	.0							4.6	6.0
NE	.9	.7	.3	.1								2.0	4.3
ENE	.9	.7	.1									1.7	3.6
E	2.6	3.7	.7	.0								7.0	4.1
ESE	3.5	7.9	3.2	.4	.2	.0						15.2	5.2
SE	1.9	3.6	2.7	2.5	1.3	.4	.0					12.5	9.1
SSE	.7	.7	1.3	1.2	.4							4.2	9.2
S	.5	.5	.9	.7	.3	.2						3.1	9.9
SSW	.3	.3	.4	.3	.1	.6	.0					1.5	3.4
SW	.5	.4	.3	.2								1.4	5.6
WSW	.4	1.0	.5	.1								2.0	5.4
W	1.2	1.9	.4	.2								3.7	5.0
WNW	1.3	1.7	.7	.3	.0							4.0	5.4
NW	1.3	3.1	3.1	1.6	.3							9.4	7.4
NNW	1.3	2.9	4.1	3.1	.3	.1						11.7	8.4
VARBL													
CALM												7.9	
	20.2	33.3	22.2	12.5	3.1	.1	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 04-70.73 YEARS FEB MONTH 0000-0200 HOURS (L.E.T.)
ALL W.F. THE CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.9	2.9									6.5	6.0
NNE	.9	1.8	2.1									4.7	5.5
NE	.6	2.1	.3									2.9	4.7
ENE	2.4	2.7	.3									5.3	3.8
E	3.2	7.4	.9									11.5	4.2
ESE	3.2	13.3	6.5	.6	.3							23.9	5.6
SE	2.9	5.0	4.4	3.8	1.2							17.4	7.9
SSE	.6	.9	.9	1.2	.3	.6						4.4	10.5
S	1.5	1.2	.6	.3	.6							4.1	7.1
SSW	.6		1.2	.3								2.1	7.1
SW		.3		.3								.6	8.0
WSW		.6										.6	5.0
W		.9		.3								1.2	5.8
WNW			1.2	.6								1.8	10.3
NW	.6	.3	.6	.6								2.1	7.1
NNW	.9	2.1	2.1									5.0	6.2
VARBL													
CALM												5.9	
	18.0	41.3	23.9	8.0	2.4	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 339

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 00-70.73 YEARS FEB MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.5	2.9	.3								7.1	6.6
NNE	.3	3.2										3.5	4.3
NE	1.2	2.1										3.5	3.6
ENE	.3	2.1										2.4	4.1
E	2.9	10.0	.9									13.9	4.5
ESE	3.5	12.4	7.1	.6								23.6	5.6
SE	1.2	5.3	3.2	4.7	1.2	.3						16.2	9.1
SSE	.0	1.2	1.8	1.8	.6							5.9	9.8
S	.3	.9	.3	.3								1.8	0.2
SSW	.3	.3	.3	.6								1.5	7.8
SW				.0								.6	12.0
WSW	.3	.6	.6	.3								1.8	7.5
W	.6	1.5	.3									2.4	4.8
WNW	.6	2.1	.3									2.9	4.7
NW	.0	2.4		.3								3.2	4.9
NNW	.0	1.2	1.8	.3								3.8	7.1
VARBL													
CALM												5.9	
	14.2	44.7	19.5	9.7	1.8	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 339

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 50-70, 73-79 YEARS FEB
NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.8	2.9	.2								8.6	6.1
NNE	1.1	2.3	1.8	1.0								6.8	7.6
NE	2.2	1.6	.2									4.3	3.1
ENE	1.4	1.4										2.9	3.5
E	3.0	10.6	1.3									14.9	4.8
ESE	5.4	11.5	6.3	.2	.5							23.8	5.5
SE	3.8	6.3	2.7	3.0								15.8	6.5
SSE	.2	1.3	.5	.2	.4							2.9	7.4
S	.4	.4	.5	.5	.5							2.3	10.6
SSW	.4											.4	2.5
SW	.2	.4	.4	.2								1.1	6.7
WSW	.2		.2	.4								.7	9.5
W	.2	.4	.4									.9	5.6
WNW	.2	.5										.7	4.0
NW	.2	1.1	.5	.4								2.2	6.7
NNW		.9	2.2	.4								3.4	7.5
VARBL													
CALM												8.4	
	20.8	42.3	19.7	7.1	1.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 56-70, 73-79 MONTH NOV
ALL WEATHER CLASS 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.6	4.0	3.5								17.5	7.9
NNE	1.0	1.2	1.9	1.7	.3							6.4	4.6
NE	.0	.7	.3	.1	.1							1.8	5.4
ENE	.8	.6										1.4	3.2
E	1.4	1.7	.3									3.9	3.6
ESE	2.9	5.8	1.8	.0								11.1	5.0
SE	1.4	4.6	3.9	3.6	.4	.1						14.0	6.5
SSE	1.0	1.1	1.4	1.4	.6							5.4	8.7
S	1.2	1.1	1.8	.6	.1	.3						5.4	7.7
SSW	.7	.7										1.4	3.0
SW	.3	1.1	.6									1.9	5.4
WSW	.0	1.4	1.0	.1								3.1	6.0
W	1.1	1.8	1.0	.3								4.2	5.3
WNW	1.4	1.4	.7	.3	.1							3.9	5.4
NW	.7	1.9	2.5	1.0	.1							6.2	7.5
NNW	.0	1.8	2.4	3.9		.3						9.4	9.8
VARBL													
CALM												8.0	
	17.5	30.5	24.0	17.5	1.8	.7						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

43214 STATION 43214 VANDENBERG AFB CA 66-70, 73-79 YEARS FEB MONTH 1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	2.5	1.4	.6							5.1	10.6
NNE	.1		.1	.7	.1							1.1	12.4
NE		.1	.1	.1								.6	11.0
ENE		.3		.1								.4	8.0
E	.1	.1		.1								.4	6.7
ESE	.1	.4	.7	.3								1.5	8.5
SE		.4	1.0	3.0	.7	.1						5.8	13.0
SSE	.3	.1	.8	2.2	.6	.1						4.1	12.6
S		.7	1.1	2.1	.3	.3						4.4	12.1
SSW	.1	1.0	.6	.1								1.8	6.5
SW		1.7	2.2	1.1								4.8	8.4
WSW	.4	2.3	2.5	.1								6.1	7.4
W	1.2	7.2	5.0	.7								14.4	6.1
WNW	.1	5.9	3.7	1.4	.1							11.7	7.5
NW	.8	3.7	4.0	6.6	1.4							21.5	9.8
NNW	.4	1.8	3.5	6.2	1.5	.4						13.8	11.5
VARBL													
CALM												2.3	
	4.4	26.2	32.7	28.6	5.2	1.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 60-70, 73-79 YEARS FE MONTH 1500-1700
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.8	1.7								3.2	10.4
NNE	.0	.1	.4	.6								1.7	8.7
NE	.3											.3	2.0
ENE	.3											.3	2.5
E		.3	.1	.4								.8	9.3
ESE	.3	.6	.6	.4								1.8	7.5
SE		.3	1.2	2.6	.8	.1						5.3	13.5
SSE	.1	.3	1.1	2.4								4.4	11.2
S	.3	1.0	1.1	1.1								3.5	9.0
SSW		.4	1.2	.0	.1							2.4	9.0
SW	.1	.8	1.5	.1								2.6	7.2
WSW	.7	.7	1.0	.1								2.5	6.2
W	1.8	4.7	2.4	.3								9.2	5.6
WNW	1.2	4.2	4.4	1.5	.1							11.5	7.1
NW	1.0	6.5	7.8	6.7	1.7							23.6	9.4
NNW	1.5	4.4	6.5	11.7	2.2	.1						26.5	10.8
VARBL													
CALM												.4	
	8.2	25.0	30.3	30.7	5.0	.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 68-70, 73-75 YEARS FEB MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.9	1.3	.7								8.8	5.5
NNE	1.3	1.1	.9	.9	.2							4.5	7.3
NE	.7	.7	.4									1.8	4.5
ENE	.7	.2										.9	2.3
E	1.6	1.8										3.4	3.4
ESE	.7	1.3	.2	.2								2.5	5.1
SE	.7	3.4	3.4	3.4	.4							11.7	9.1
SSE	.4	2.5	1.3	1.6	.2							6.3	8.6
S	1.1	1.3	.7		.4							3.6	6.7
SSW	.2	.7										.9	4.5
SW	.4	.7	.2	.2								1.6	5.3
WSW	.4	.2										.7	3.1
W	1.3	1.8	.2	.2								3.6	4.5
WNW	1.6	1.8	.2									3.6	3.7
NW	2.5	3.1	3.4	2.1								11.0	6.6
NNW	2.0	2.2	4.7	4.5	.7	.2						17.3	8.5
VARBL													
CALM												18.0	
	17.5	30.8	17.1	14.4	2.0	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 445

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 42214 STATION NAME VANDENBERG AFB CA YEARS 66-70, 72-74 MONTHS NORTH 2100-2300 HOURS (LST)
CLASS ALL of This
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.1	2.5	0.0								9.1	5.0
NNE	0.2	2.0	0.2	1.0								4.8	7.5
NE	1.2	1.3										2.8	3.4
ENE	1.2	1.0										2.5	3.0
E	4.1	8.1	1.0									13.2	4.0
ESE	4.0	7.8	0.0	0.2								15.7	4.0
SE	1.2	2.3	4.0	3.0	0.6							15.9	2.3
SSE	0.2	0.8	1.3	0.2	0.2							3.0	7.9
S	0.2	1.3	2.3	1.0		0.2						5.3	2.2
SSW		0.3			0.2							0.5	13.0
SW			0.3									0.3	7.0
WSW			0.3									0.3	7.0
W	0.2	1.0	0.8									2.0	6.1
WNW	0.2	0.3	0.2	0.2								1.3	7.6
NW	0.2	1.3	0.2	0.0								2.8	7.6
NNW	0.2	4.1	3.2	0.0								8.9	7.2
VARBL													
CALM												11.6	
	17.7	34.5	20.8	9.0	1.3	0.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 495

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

55-70, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	2.5	1.3	.1							7.5	7.4
NNE	.7	1.2	1.0	1.0	.1							4.0	7.7
NE	.8	.9	.2	.1	.0							2.0	4.3
ENE	.6	.8	.0	.0								1.7	3.6
E	1.8	4.1	.5	.1								6.4	4.4
ESE	2.3	5.6	2.7	.4	.1							11.1	5.5
SE	1.3	3.4	2.8	3.5	.6	.1						11.7	8.9
SSE	.5	.9	1.1	1.6	.4	.1						4.5	9.9
S	.5	.9	1.1	.2	.2	.1						3.9	9.0
SSW	.3	.5	.4	.2	.0							1.4	7.1
SW	.1	.8	.8	.3								2.0	7.4
WSW	.4	.9	.8	.3								2.4	6.8
W	1.6	2.9	1.6	.3								5.7	5.7
WNW	.7	2.4	1.7	.7	.1							5.6	6.8
NW	.6	2.9	3.8	2.6	.5							10.9	8.8
NNW	.6	2.7	3.6	4.3	.7	.2						12.3	9.9
VARBL													
CALM												6.9	
	13.3	33.5	24.6	17.0	2.9	.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 4241

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-74, 78
YEARS

11A2
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.0	4.0	1.5								12.5	6.2
NNE	3.0	3.2	1.1									7.2	4.3
NE	3.4	1.9										5.3	3.0
ENE	2.0	1.9	.2									4.9	3.5
E	5.1	4.5	.2									9.8	3.4
ESE	3.8	6.6	1.1									11.5	4.3
SE	1.7	3.4	.2	.6								6.2	5.0
SSE	1.5	.8		.2								2.5	4.2
S	.6	.8	.8	.6	.4							3.4	8.4
SSW	.4	.2	.6	.4								1.7	7.4
SW	.4		.2	.2								.8	5.8
WSW	.2	.6										.8	4.3
W	1.1	1.3	.2									2.5	3.9
WNW	.8		.4									1.3	3.5
NW	.8	1.1	2.1	.4	.4							4.9	7.7
NNW	.6	1.5	4.7	3.0	.6							10.4	9.4
VARBL													
CALM												14.2	
	29.5	31.8	15.9	7.0	1.5							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 51-70.73, 78 YEARS
STATION NAME CLARE MONTH 0300-0500
ALL WEATHER
CLARE
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.6	5.7									11.4	5.0
NNE	3.0	4.2	0.8	0.2								8.3	4.4
NE	3.2	2.5	0.2	0.2								6.1	3.7
ENE	1.5	0.0										2.1	2.7
E	5.3	5.1	0.4									10.8	3.7
ESE	3.2	11.9	1.9									16.9	4.8
SE	2.3	3.4	0.2	0.2								6.1	4.0
SSE	0.0	1.1	0.0	0.0	0.2							3.4	7.5
S	1.5	0.4	1.1									3.0	4.6
SSW	0.2		0.0	0.4								1.3	7.8
SW	0.4	0.6										1.1	4.2
WSW		0.4										0.4	4.5
W	0.0	0.2										1.1	2.6
WNW	1.1	0.0	0.2	0.4								2.3	5.5
NW	1.1	0.8	2.1	1.1	0.2							5.3	7.7
NNW	0.0	1.1	3.8	1.7	0.0							8.1	9.2
VARBL													
CALM												12.3	
	27.3	36.7	17.8	4.4	1.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 472

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

1.4h
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.8	3.1	1.8								12.4	6.5
NNE	2.6	3.4	2.2	.3	.1							8.6	5.3
NE	1.9	1.5	.4									3.8	3.9
ENE	1.2	.7										1.9	3.1
E	3.1	4.1	.7									7.9	4.0
ESE	4.6	8.4	3.7									16.8	4.9
SE	3.8	5.3	2.2	.5		.1						12.0	5.2
SSE	.5	1.4	.5	.5	.5	.1						3.7	8.4
S	1.1	.4	.5	.4								2.5	6.3
SSW	.1	.5	.1									.8	4.3
SW	.5	.3										.8	3.2
WSW	.1											.1	2.0
W	.7	.1	.3	.1								1.2	5.0
WNW	.1	.7	.5	.1								1.5	6.7
NW	.1	1.2	1.8	.7		.1						4.0	8.7
NNW	.7	2.9	3.8	1.4	.1	.1						9.0	8.2
VARBL													
CALM												13.1	
	24.1	35.7	19.9	5.9	.8	.5						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS MAK
STATION NAME NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.8	4.3	2.4	.5	.1						11.8	4.5
NNE	.5	1.4	2.5	.0								5.0	7.6
NE	.5	.9	.3									1.7	4.5
ENE	.2	.2	.3									.8	5.9
E	1.2	1.2	.1									2.4	3.8
ESE	1.4	2.0	.8	.2								4.4	5.2
SE	1.6	2.5	2.1	1.6	.5							8.5	8.0
SSE	.5	.3	.8	1.0	.2							2.9	9.5
S	.8	.7	.3	1.3	.1							3.2	9.3
SSW	1.0	.2	.7	.2								2.2	5.0
SW	1.0	1.4		.2								2.7	4.3
WSW	.9	2.0	.7									3.6	4.8
W	1.4	2.4	1.2	.1								5.1	5.1
WNW	.7	3.2	2.7	.2								6.8	6.3
NW	.8	4.2	5.1	4.7	.3							15.1	8.8
NNW	1.5	2.3	5.3	7.2	.9	.1	.1					17.7	10.5
VARBL													
CALM												6.1	
	15.2	27.7	27.3	20.0	2.1	.2	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 866

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.2	.6	.5							2.0	11.6
NNE		.2		.1								.3	6.7
NE													
ENE													
E													
ESE			.1	.1								.2	10.0
SE		.1	1.4	1.0	.0	.2						3.9	12.7
SSE		.1	.3	2.2	.5							3.1	13.7
S		.1	.0	.0	.1							1.6	11.1
SSW	.1	.1	.3	.7	.2							1.5	11.7
SW	.2	.6	.9	1.2	.2							3.1	10.0
WSW	.2	1.4	2.6	.6								4.8	8.0
W	1.0	5.5	5.6	.7								12.9	6.6
WNW	.8	4.0	7.6	2.2								14.6	7.9
NW	.5	2.2	13.0	13.0	2.4	.5						32.3	11.3
NNW	.2	1.0	4.0	8.7	3.5	1.2	.1					18.8	13.7
VARBL													
CALM												.8	
	3.2	15.8	37.1	33.3	7.9	1.0	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 57-70.73-78 YEARS MAR MONTH
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.1	.3	.5							1.9	10.3
NNE	.3	.1			.1							.6	6.0
NE													
ENE													
E													
ESE		.1										.1	4.0
SE		.1	1.2	1.4	.3	.1						3.6	13.0
SSE	.2		.7	1.7	.3							2.4	11.7
S		.2	.2	1.6	.1							2.2	12.2
SSW		.2	.1	.0								.9	10.1
SW	.2	.5	.8	.2								1.7	7.1
WSW	.1	1.7	1.4	.1								3.4	6.9
W	.0	3.9	3.0	.5								8.2	6.5
WNW	1.4	4.3	6.5	2.1								14.1	7.6
NW	.9	4.3	11.0	12.7	2.9	.2						32.3	11.1
NNW	.8	1.9	4.7	13.1	6.1	1.5						28.1	13.7
VARBL													
CALM												.5	
	5.1	17.7	30.0	34.3	10.4	2.1						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 604

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

57-70, 73-76, 78
YEARS

1800-2000
MONTH
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	3.1	1.9								10.2	6.7
NNE	1.6	1.0	.3									2.9	3.7
NE	.7											.7	2.3
ENE	.3											.3	2.0
E	1.0											1.0	2.7
ESE	.7	1.0	.2	.2								2.1	4.3
SE		.5	.5	.2								1.2	7.6
SSE		.3	1.4	1.4								3.1	10.5
S	.2	.2	.9	.2								1.4	8.4
SSW	.2	1.6	1.0	1.2								4.0	9.1
SW	.2	.3	1.0									1.6	6.8
WSW		.9	.2									1.0	4.8
W	2.1	1.2	.3									3.6	3.7
WNW	.3	2.4	1.6	.2								4.5	6.2
NW	3.6	6.9	7.3	4.0	1.2							23.0	7.7
NNW	1.2	6.7	10.7	8.8	1.6	.7						29.8	9.7
VARBL													
CALM												9.5	
	14.7	25.8	28.5	18.2	2.8	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

578

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-74, 78
YEARS

NAK
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	5.0	1.7	.4							14.8	6.6
NNE	2.4	1.7	.9									5.0	4.1
NE	2.2	.2										2.4	2.7
ENE	1.4	.4										2.2	2.3
E	4.4	3.2	.2									8.2	3.3
ESE	1.0	6.2										9.2	4.0
SE	1.1	1.2	.4									4.1	3.8
SSE	.7	.6		.4								2.2	7.8
S	.2	.9	1.3	.0								3.0	7.8
SSW	.2	.6	.4	.7								1.9	8.5
SW	.2	.9										1.1	4.7
WSW	.2	.4										.6	3.3
W	.0	.6	.2									1.3	4.3
WNW	.1	.7	.4									1.9	4.2
NW	1.7	3.2	4.7	1.5	.7							11.8	7.9
NNW	1.2	3.2	6.2	2.8	.9	.2						15.1	8.7
VARBL													
CALM												15.1	
	24.4	29.5	20.0	8.2	2.1	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 535

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	2.9	1.4	.3	.0						3.9	7.2
NNE	1.4	1.7	1.0	.2	.0							4.3	5.2
NE	1.2	.8	.1	.0								2.1	3.5
ENE	.8	.4	.1									1.3	3.3
E	2.1	1.9	.2									4.2	3.6
ESE	1.8	3.8	.9	.1								6.7	4.7
SE	1.3	2.0	1.2	1.0	.1	.1						5.8	7.3
SSE	.5	.5	.0	1.1	.3	.0						2.2	2.1
S	.5	.4	.6	.0	.1							2.5	2.4
SSW	.3	.4	.5	.5	.0							1.7	2.0
SW	.4	.6	.4	.3	.0							1.8	6.6
WSW	.3	1.0	.8	.1								2.2	6.3
W	1.1	2.2	1.7	.2								5.2	5.8
WNW	.7	2.3	3.0	.3								6.9	7.2
NW	1.1	3.1	6.5	5.6	1.2	.2						17.9	9.9
NNW	.4	2.5	5.3	6.5	2.1	.6	.0					17.9	11.3
VARBL													
CALM												7.8	
	16.1	26.4	25.9	18.7	4.1	.9	.0					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 5389

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 07-70,73 YEARS
APX NORTH
0000-0200 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.2	4.0	1.1								12.9	6.0
NNE	2.0	.9	.7									3.6	3.6
NE	1.0	.9										2.7	2.9
ENE	.7	.2	.7									1.6	5.0
E	3.0	1.8	.2									5.8	3.3
ESE	4.4	4.9	.9	.2								10.4	4.1
SE	1.6	2.0	.7									4.2	4.4
SSE	1.1	.4										1.6	2.9
S		.7										.7	5.3
SSW	.4	.7										1.1	4.6
SW		.2										.2	6.0
WSW	.7	.4	.2									1.3	3.7
W	.9	.7										1.6	3.4
WNW	1.1	.2	.2									1.8	3.0
NW	1.3	2.0	2.9	2.1								8.9	7.9
NNW	4.4	4.9	9.1	4.2	.2							22.9	7.5
VARBL													
CALM												18.9	
	27.8	25.1	19.6	8.4	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70,73
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.9	4.9	1.0	.2							15.3	6.4
NNE	1.0	3.8	.2									5.8	3.9
NE	1.0	.7										2.2	3.0
ENE	.4	.7										1.1	3.2
E	2.9	4.0										6.9	3.5
ESE	4.9	6.7	1.0	.2								13.3	4.4
SE	2.4	3.6	.9	.2								7.1	4.5
SSE	1.3	.4	.2									2.0	3.4
S	1.0	.2										1.8	2.8
SSW			.2									.2	7.0
SW	.2	.2										.4	4.5
WSW													
W	.2											.2	1.0
WNW	1.1	.9	.4									2.4	4.0
NW	2.4	3.6	1.8	.9								8.7	5.6
NNW	3.0	4.0	4.4	3.3	.2							15.8	7.2
VARBL													
CALM												16.7	
	28.2	33.6	14.7	6.4	.4							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION 93214 VANDENBERG AFB CA 57-70, 73-78 YEARS APR MONTH
0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	0.1	4.0	2.1	.3							15.4	6.6
NNE	2.1	2.1	.0	.3								5.1	4.5
NE	1.0	1.0	.3									2.8	3.6
ENE	1.0	.7										2.3	2.9
E	2.3	2.7	.3									5.2	3.0
ESE	2.7	4.4	2.0									9.1	4.9
SE	3.0	3.4	2.0	.4	.1							8.9	5.3
SSE	1.0	.4	.3	.3								2.5	4.4
S	.8	.6	.4									1.8	4.1
SSW	.6	.1										.7	3.0
SW	.3	.3										.6	3.3
WSW	.4	.3										.7	3.0
W	1.0	.1										1.1	2.8
WNW	.7	.8	.3	.1								2.0	4.9
NW	2.3	2.4	2.1	.6								7.6	6.0
NNW	2.0	3.1	7.8	3.8	.3							17.0	8.2
VARBL													
CALM												17.0	
	25.8	28.6	20.0	7.9	.7							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

57-70, 73-78
YEARS

4P15
MONTH

ALL WFTHE
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.8	1.7	1.5	.2							5.2	8.9
NNE	.6	.8	.0	.4								2.4	5.8
NE	.2	.1	.1									.5	4.5
ENE	.1	.4										.5	3.8
E	.2	.4	.1									.7	4.0
ESE		.6	.6									1.2	6.9
SE	.7	1.6	.6	.7		.1						4.0	7.5
SSE	.1	.6	.5									1.2	6.1
S	.6	.5	.2	.2								1.6	5.4
SSW	.2	.5	.2									1.0	4.8
SW	.7	1.3	1.2	.2								3.5	5.9
WSW	1.0	2.4	1.1	.1								4.6	5.5
W	1.6	5.0	2.9									9.5	5.5
WNW	1.3	4.8	3.3	.7								10.2	6.2
NW	1.6	4.2	11.8	8.4	1.5							27.4	9.6
NNW	.6	2.3	8.2	7.4	1.8	.1						20.5	10.7
VARBL													
CALM												6.1	
	10.7	26.4	33.5	19.6	3.5	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94214
STATION

VANDERBILT AFB GA
STATION NAME

67-70, 73-78
YEARS

APR
MONTH

ALL WINDS
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.1	.7	.1							1.2	11.4
NNE	.1											.1	3.0
NE		.1										.1	5.0
ENE		.1										.1	4.0
E	.2											.2	2.5
ESE	.1		.1	.1								.4	7.7
SE	.1	.2	.2	.1	.1							.4	8.9
SSE			.4	.1								.5	3.3
S	.1	.1	.4	.1	.1							.8	9.1
SSW	.1		.4	.1								.6	8.0
SW	.1	.1	.0	.7								1.8	9.4
WSW	.1	.7	4.4	.0								5.8	8.0
W	.5	4.2	7.0	.0								12.4	7.3
WNW	.5	5.0	9.2	3.6	.4							19.3	8.4
NW	.5	5.1	13.2	15.5	2.3	1.1						37.7	11.1
NNW		.6	3.8	7.5	3.6	1.7						17.2	14.5
VARBL													
CALM												.8	
	2.5	17.2	40.0	29.9	6.7	2.4						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

17-70, 73-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.4	1.1	.2							2.3	10.8
NNE	.1					.1						.2	11.5
NE	.1											.1	3.0
ENE													
E	.1											.1	2.0
ESE	.1											.1	2.0
SE		.2	.5									.7	6.8
SSE			.4									.4	10.0
S		.1	.2	.1								.5	8.5
SSW			1.1	.4								1.5	7.3
SW		.2	1.8	.6								2.7	9.1
WSW	.1	1.4	1.4	.2	.1							3.2	7.5
W	.5	3.9	3.1	.5								8.0	6.4
WNW	.5	4.6	6.5	2.5	.1							14.1	7.9
NW	.7	5.2	14.4	14.0	2.6	1.6	.4					38.4	11.1
NNW	.6	1.8	6.2	11.1	5.5	1.5	.1					26.8	13.5
VARBL													
CALM												.7	
	3.1	18.1	35.4	30.5	8.0	2.0	.5					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-75, 78 YEARS AP NORTH
1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.7	2.4								9.3	7.5
NNE	.7	.4										1.1	2.7
NE	.2											.2	2.0
ENE													
E	.4	.4										.7	3.3
ESE	.4	.2										.5	2.7
SE	.2	.7										.9	4.6
SSE	.4	.2	.2	.2								.9	6.2
S		.4	.5	.2								1.1	8.3
SSW		.5	.5	.5								1.6	8.8
SW		.7	.4									1.1	6.2
WSW	.5	.2	.4									1.1	5.2
W	1.3	.9	1.3	.2								3.7	5.1
WNW	2.0	2.2	1.6	.5								6.4	5.5
NW	3.3	5.3	10.6	5.5	.4							25.1	5.1
NNW	3.5	7.3	10.4	13.2	2.6	.7						37.7	10.0
VARBL													
CALM												8.4	
	14.7	21.8	28.8	22.7	2.9	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-74, 78
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	3.9	1.0	.2							9.7	7.5
NNE	2.5	1.0	1.0									4.5	3.8
NE	1.2	.2	.2									1.6	3.1
ENE	1.0	.4										1.9	2.4
E	2.7	1.8										4.5	3.1
ESE	.8	2.5	.4	.2								3.9	4.7
SE	.4	1.6		.2								2.1	4.7
SSE	1.0	.4	.2									1.6	4.0
S	.4	.6	.4									1.4	5.0
SSW	.8	.2	.2									1.2	3.7
SW	.6	.2										.8	3.5
WSW	.2		.2									.4	5.0
W	.4	.2	.2	.2								1.0	5.8
WNW	1.0	.8	1.2	.2								3.9	5.4
NW	3.5	3.3	4.7	1.2								12.7	6.4
NNW	3.1	7.8	13.1	4.7	.8	.4						29.8	8.2
VARBL													
CALM												19.1	
	22.8	22.8	25.5	8.4	1.0	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 514

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73-78 MONTH APR
CLASS ALL WEATHER
CONDITION ALL
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4	2.4	1.5	.2							8.0	7.3
NNE	1.1	1.0	.4	.1		.0						2.5	4.5
NE	.7	.3	.1									1.1	3.4
ENE	.5	.3	.1									.8	3.3
E	1.3	1.2	.1									2.5	3.5
ESE	1.3	2.0	.6	.1								4.1	4.6
SE	1.0	1.5	.7	.2	.0	.0						3.4	5.6
SSE	.6	.3	.3	.1								1.2	5.0
S	.4	.4	.3	.1	.0							1.2	5.5
SSW	.3	.2	.4	.1								1.0	6.6
SW	.3	.4	.7	.3								1.6	7.1
WSW	.4	.8	1.2	.2	.0							2.6	6.6
W	.8	2.3	2.2	.2								5.6	6.2
WNW	1.1	2.9	3.4	1.2	.1							8.7	7.2
NW	1.8	4.0	8.6	7.2	1.1	.3	.1					23.1	9.7
NNW	1.9	3.5	7.6	7.2	2.2	.6	.0					23.0	10.5
VARBL													
CALM												9.5	
	14.9	23.6	28.9	18.5	3.6	1.0	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 3128

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-74 DAY MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	5.4	2.1	1.5								12.9	5.6
NNE	1.4	.4	.6									3.0	3.6
NE	1.3	1.1										2.4	3.0
ENE	1.7	.2										1.9	2.4
E	3.4	1.3										4.7	2.8
ESE	2.1	2.1	.6									4.9	4.0
SE	.6	.6										1.3	3.8
SSE	1.1	.2										1.3	2.8
S	.4	.6										1.5	3.3
SSW	.2											.2	3.0
SW	.6	.2										.9	2.8
WSW	1.1	.2										1.3	3.0
W	1.1	.4										1.5	2.9
WNW	1.5	2.4	.4	.2								4.9	5.1
NW	1.4	6.2	4.3	1.5								13.9	6.4
NNW	3.4	6.9	12.7	1.9								25.3	6.8
VARBL													
CALM												18.0	
	27.3	28.3	21.2	5.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 67-70, 72-74 YEARS MAY
NORTH
CLASS ALL WEATHER
HOURS (L.S.T.) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	6.2	4.3	.9								15.9	5.7
NNE	2.1	1.1	.2									3.4	3.3
NE	.4	1.3	.4									2.6	4.1
ENE	.4	.2										.6	3.0
E	3.9	3.0										6.9	3.2
ESE	3.2	1.5	.4									5.2	3.5
SE	3.4	1.3										4.7	3.0
SSE	.4	.6										1.1	4.0
S	.6	.2										.9	3.0
SSW	.6											.6	2.3
SW	.6	.2										.9	2.8
WSW	.9	1.1										1.9	3.3
W	1.5	1.1										2.6	3.0
WNW	1.3	1.3	1.3									3.9	4.9
NW	1.5	3.9	3.9	1.5								10.7	6.5
NNW	3.0	5.4	8.8	1.5								18.7	6.8
VARBL													
CALM												19.5	
	29.0	28.3	19.3	3.4								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENREPG AFB CA 67-70, 73-78 YEARS MAY MONTH
CLASS ALL WEATHER 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	3.1	2.6	.6								10.8	5.2
NNE	1.9	.6	.1	.1								2.8	3.5
NE	1.0	.8	.4									2.2	4.5
ENE	.5	.1										.6	2.4
E	1.7	.9	.1									2.7	3.4
ESE	2.4	1.7	.3									4.4	3.5
SE	2.3	.8										3.1	2.8
SSE	.9	.5										1.4	3.2
S	1.8	.3										2.1	2.2
SSW	1.3	.1										1.4	1.9
SW	1.2	.5										1.7	3.2
WSW	.9	.6										1.5	3.2
W	2.2	.9										3.1	2.9
WNW	1.5	1.4	.9									3.9	4.2
NW	4.1	5.1	4.2	1.3								14.8	5.8
NNW	2.7	5.0	10.8	5.1	.1							23.8	8.1
VARBL													
CALM												19.8	
	30.8	22.5	19.4	7.3	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 778

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.5	.8	.6	.1							3.0	7.2
NNE	.2	.4	.1									.7	4.2
NE	.1		.2	.1								.5	7.3
ENE													
E	.1											.1	2.0
ESE	.2											.2	2.5
SE	.1	.1										.2	3.5
SSE	.2											.2	1.5
S	.4	.2										.6	3.0
SSW	.2	.1										.4	3.3
SW	.4	.8	.1	.1								1.4	4.9
WSW	.8	1.1	1.4									3.3	5.9
W	3.9	7.5	2.6	.1								14.2	5.0
WNW	3.0	8.2	6.2	1.2								18.6	6.1
NW	2.6	8.2	11.7	7.5	1.3	.2						31.5	8.7
NNW	1.2	2.9	6.8	9.0	1.2	.1						21.2	10.4
VARBL													
CALM												3.8	
	14.5	30.0	30.0	18.7	2.6	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 840

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 67-70.72-78 YEARS DAY
MONTH 1200-1400
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.7	.4	.1							1.5	10.0
NNE		.1										.1	5.0
NE													
ENE													
E													
ESE													
SE													
SSE				.1	.1							.2	16.5
S			.1									.1	9.0
SSW													
SW	.1	.2	.5	.1								1.0	7.6
WSW		1.2	.7	.2								2.1	6.9
W	.5	6.5	8.6	.4								16.0	6.9
WNW	1.0	6.2	12.4	5.0	.2							24.8	8.3
NW	.8	5.2	12.1	17.1	2.3	.1						37.7	10.8
NNW	.1	.7	3.5	7.7	4.0							16.1	13.3
VARBL													
CALM												.4	
	2.5	20.6	38.6	31.1	6.8	.1						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 840

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.0	.5	.4							2.4	9.5
NNE													
NE													
ENE													
E													
ESE													
SE				.1								.1	13.0
SSE				.1								.1	13.0
S			.1	.1								.3	10.0
SSW			.1									.1	9.0
SW			.1	.1								.3	9.5
WSW			.6									.6	7.8
W	.4	4.5	2.7									9.1	5.6
WNW	1.5	6.5	9.6	4.4	.1							22.2	7.9
NW	.0	6.2	16.0	14.4	1.9	.1						39.7	10.2
NNW	.0	2.4	5.9	12.7	4.0	.3						25.9	12.3
VARBL													
CALM												.1	
	4.1	20.2	35.4	32.4	6.4	.4						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-75, 78 DAY 1800-2000
NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	2.0	1.0	.5							9.3	7.5
NNE	1.1	.2										1.2	2.0
NE	.4											.4	2.0
ENE	.2											.2	2.0
E													
ESE	.2	.4										.5	3.3
SE			.4									.2	10.0
SSE		.4	.2									.5	10.0
S													
SSW		.2	.4									.4	6.5
SW		.4										.4	6.0
WSW	.4	.2										.5	3.7
W	1.4	1.8	.2									3.4	4.2
WNW	2.1	3.7	4.0	.5								11.2	6.3
NW	2.5	9.3	13.0	4.5	.2							30.0	7.0
NNW	2.9	10.5	15.5	7.5	.9							37.3	8.2
VARS													
CALM												4.5	
	12.4	30.2	36.0	14.4	1.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 560

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-74 YEARS MAY MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	3.2	2.5	.2								11.6	5.1
NNE	1.9	.4										2.3	2.4
NE	.9	.6										1.5	2.5
ENE	.8											.8	1.5
E	.6	1.1										1.7	3.3
ESE	.9	.9										1.9	3.4
SE	1.5	.8										2.3	2.7
SSE	.2											.2	2.0
S	.9											.9	1.6
SSW	.8											.8	1.5
SW	.2											.2	2.2
WSW	.6	.2										.8	2.8
W	1.5	1.1										2.7	3.2
WNW	1.5	2.1	1.9									5.5	5.5
NW	3.0	7.2	7.0	1.7	.2							19.9	6.4
NNW	3.0	9.9	13.3	3.0	.2							30.9	7.2
VARBL													
CALM												16.1	
	24.9	27.5	24.7	6.5	.4							140.0	4.8

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 43214 STATION NAME VANDENBERG AFB CA YEARS 71-72, 73-78 MONTH JUL
CLASS ALL WINDS
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	1.0	.0	.2							7.4	0.1
NNE	1.0	.4	.1	.0								1.5	3.3
NE	.2	.4	.1	.0								1.0	3.9
ENE	.4	.1										.4	2.3
E	1.0	.6	.1									1.6	3.2
ESE	1.0	.7	.1									1.8	3.6
SE	.4	.4	.0	.0								1.3	3.2
SSE	.2	.2	.0	.0	.0							.6	4.5
S	.0	.2	.0	.0								.8	3.1
SSW	.4	.1	.0									.5	2.8
SW	.4	.3	.1	.1								.9	4.7
WSW	.2	.6	.4	.0								1.6	5.1
W	1.7	3.5	2.2	.1								7.5	5.4
WNW	1.7	4.4	5.4	1.7	.1							13.3	7.0
NW	2.2	6.4	9.7	7.2	.9	.1						26.5	8.8
NNW	2.0	4.9	9.0	6.0	1.6	.1						24.3	9.3
VARBL													
CALM												0.0	
	16.7	25.4	29.1	16.4	2.7	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 5256

GLOBAL CLIMATE DATA BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73 MONTHS JUL
CLASS ALL W.F. TYPE MONTHS NOV-DEC
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	5.1	2.0	1.1								12.4	5.3
NNE	1.1	1.3	.2									2.7	2.2
NE	1.0											1.6	2.1
ENE	1.0											1.6	2.1
E	3.1	.7										3.8	2.2
ESE	2.7	1.0										4.2	2.9
SE	1.0	.9										2.4	2.7
SSE	.2											.2	3.1
S													
SSW	.4	.2										.7	2.7
SW	1.1											1.1	1.6
WSW	.2											.2	3.0
W	2.0			.2								2.2	2.9
WNW	1.1	1.0	.4	.2								3.3	5.1
NW	3.1	7.8	5.0	.7								17.1	5.7
NNW	4.9	11.0	9.1	3.0								29.1	6.6
VARBL													
CALM												17.3	
	24.4	30.7	17.3	5.4								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 451

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA YEARS 67-70, 73 MONTHS 0300-2500
STATION NAME ALL WEATHER CLASS CLAS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	6.2	1.0	.4								12.4	4.7
NNE	3.1	1.1	.2									4.4	2.5
NE	.7	.4										1.3	2.2
ENE	.3											.9	2.0
E	1.3	2.0										3.3	2.7
ESE	2.2	4.0										6.2	3.6
SE	1.3	.9										2.7	2.8
SSE	2.0	.4										2.4	2.5
S	.4											.4	2.2
SSW	1.3											1.3	2.2
SW	.4											.9	1.5
WSW	.7	.4										1.1	3.2
W	.7	.7	.2									1.6	3.7
WNW	.7	1.1	.9	.2								2.9	5.9
NW	1.1	7.1	3.8									12.0	5.5
NNW	4.2	8.0	9.3	4.0								25.6	6.9
VARBL													
CALM												20.4	
	26.2	32.4	16.2	4.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-78 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	3.5	1.9	1.0								11.8	4.7
NNE	2.5	1.2										3.7	2.9
NE	.3	.1										.4	2.3
ENE	.3											.3	1.5
E	1.4	.4	.1									1.9	3.0
ESE	.8	1.5	.1									2.5	3.9
SE	1.8	1.0	.3									3.0	3.4
SSE	.9		.1									1.0	2.9
S	1.7	.4										2.1	2.7
SSW	1.1	.6										1.7	2.6
SW	1.1	.3										1.4	2.2
WSW	1.0	.7										1.7	3.3
W	2.5	2.2	.1									4.8	3.5
WNW	1.7	2.9	.4	.1								5.1	4.4
NW	3.6	5.0	3.2	1.4								13.2	6.0
NNW	6.0	7.1	6.2	3.2	.3							22.7	6.4
VARBL													
CALM												22.7	
	31.9	26.9	12.6	5.7	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS NORTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	.0	.2	.1							3.2	5.7
NNE		.2										.2	4.5
NE	.1		.1									.2	4.5
ENE													
E													
ESE	.1											.1	3.0
SE													
SSE		.1										.1	6.0
S	.1	.2	.4	.1								.9	7.4
SSW	.2	.1	.5									.9	5.1
SW	.1	.5	.1									.7	5.3
WSW	1.0	1.7	1.1									3.8	5.0
W	2.6	6.7	4.7	.5								14.4	5.8
WNW	3.6	8.5	5.1	1.6								18.8	6.2
NW	3.8	7.4	11.7	6.5	.6							30.1	8.1
NNW	1.6	5.4	7.9	4.1	1.1							20.1	8.5
VARBL													
CALM												6.3	
	14.3	32.2	32.2	13.1	1.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS MONTH JUL

ALL WEATHER
CLASS

1200-1400
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.2	.1								.9	7.0
NNE													
NE													
ENE	.1											.1	2.0
E													
ESE													
SE				.1								.1	11.0
SSE													
S			.5									.5	10.0
SSW				.1								.1	14.0
SW	.1		.2	.2								.9	10.3
WSW	.1	.5	1.5	.4								3.0	9.4
W	.6	6.2	10.1	1.1								18.0	7.3
WNW	.9	5.0	15.1	3.8	.2							25.1	8.5
NW	.4	6.7	15.4	12.2	3.4	.2						38.3	10.4
NNW	.4	1.2	5.0	3.8	2.1	.4						12.9	11.4
VARBL													
CALM												.1	
	2.7	20.0	48.2	22.7	5.8	.6						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.2	.0		.1						1.1	12.9
NNE													
NE													
ENE													
E		.1										.1	4.0
ESE													
SE													
SSE													
S			.1	.1								.3	11.0
SSW		.1	.2									.4	7.7
SW				.3								.3	11.5
WSW	.1	.4	1.2	.3								2.1	7.5
W	.1	4.8	4.8	.7								10.5	7.1
WNW	.6	5.1	10.8	4.0	.4							20.9	8.2
NW	.7	6.8	19.1	14.4	1.8	.1						42.9	9.9
NNW	.3	3.5	8.2	6.8	2.5	.1						21.3	11.0
VARBL													
CALM													
	1.8	21.1	44.9	27.1	4.7	.4						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	.7	.2	.4							5.4	5.7
NNE	.7	.7										1.5	3.1
NE	.2	.4										.6	3.3
ENE													
E													
ESE	.2											.2	2.0
SE													
SSE			.2									.2	7.0
S													
SSW													
SW	.2	.2										.4	4.5
WSW	1.3	1.5	.2									3.0	3.9
W	.2	2.0	.2									2.4	4.8
WNW	1.3	3.1	4.6	1.5	.2							10.7	7.3
NW	3.1	8.0	13.0	7.2								31.3	7.9
NNW	3.9	12.8	17.0	6.9	.9	.2						41.7	7.9
VARBL													
CALM												2.8	
	12.8	31.1	35.9	15.7	1.5	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

540

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94214 STATION VANDENBERG AFB CA 57-70, 73-74, 78 YEARS JUL 1978 MONTH 2100-2300 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	7.8	2.3	1.0								15.7	5.2
NNE	2.2	.8										2.9	2.3
NE	1.4	.2										1.6	2.1
ENE	.8	.2										1.0	2.4
E	1.2	.2	.2									1.6	3.1
ESE	.6	.2										.8	3.0
SE	.2	.8										1.0	3.8
SSE	.2	.2										.4	3.5
S	.2											.2	1.0
SSW	.2	.2										.4	2.5
SW	.4											.4	1.2
WSW	1.0	.2										1.2	2.8
W	2.3	.4										2.7	2.5
WNW	1.4	1.2	1.4	.6								4.9	5.6
NW	2.3	7.8	5.9	.4	.2							16.6	6.0
NNW	1.5	14.7	11.2	4.3	.6							34.2	7.0
VARBL													
CALM												14.5	
	22.7	34.8	20.9	6.3	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS
ALL WEATHER CLASS
ALL MONTHS (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.9	1.1	.5	.1	.0						6.9	5.3
NNE	1.6	.6	.0									1.7	2.9
NE	.4	.1	.0									.6	2.7
ENE	.4	.0										.4	2.1
E	.7	.3	.0									1.1	3.1
ESE	.7	.7	.0									1.4	3.4
SE	.0	.4	.0	.0								1.0	3.3
SSE	.3	.1	.0									.5	3.0
S	.3	.1	.2	.0								.6	5.2
SSW	.4	.2	.1	.0								.7	3.8
SW	.4	.1	.1	.1								.8	4.6
WSW	.7	.7	.6	.2								2.2	5.7
W	1.4	3.4	3.1	.4								9.3	6.1
WNW	1.5	4.0	5.6	1.7	.1							13.1	7.4
NW	2.3	7.0	10.4	6.2	.9	.1						26.8	8.5
NNW	2.4	7.2	8.8	4.6	1.1	.1						24.6	8.1
VARBL													
CALM												9.5	
	16.2	27.9	30.3	13.1	2.2	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 5017

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70.73 YEARS 4 JL
STATION NAME CLASS 0000-0200
HOURS (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.9	2.8	1.1									11.8	3.0
NNE	3.9	1.1										4.9	2.6
NE	2.4	.2										2.6	2.1
ENE	.9											.9	2.3
E	1.9	.2										2.2	2.6
ESE	1.1	.6										1.7	3.1
SE	.4	.4										.9	3.3
SSE	.6	.2										.9	2.0
S	.0											.6	2.0
SSW	1.1											1.1	2.2
SW		.2										.2	4.0
WSW	.9											.9	1.5
W	1.5	1.1										2.6	2.5
WNW	1.9	3.4										5.4	3.7
NW	4.5	7.7	2.4	1.1								15.7	5.2
NNW	3.7	10.5	4.1	.4								18.7	5.2
VARBL													
CALM												29.0	
	30.4	31.6	7.5	1.5								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION 93214 VANDEMBERG AFB CA 67-70.73 YEARS 1967-1970
STATION NAME CLASS NORTH
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	4.3	1.7									12.5	4.1
NNE	3.7	.2										3.9	2.2
NE	2.4	.4										2.8	2.5
ENE	.5											.6	2.3
E	2.2											2.2	2.0
ESE	1.1	.9										1.9	3.2
SE	3.6	1.1										4.1	2.7
SSE	.2	.9										1.1	4.2
S	1.3	.4										1.7	2.5
SSW	.4	.4										.9	3.3
SW	1.3											1.3	2.2
WSW	.3	.6										1.5	2.9
W	.2	.2	.2									1.3	3.3
WNW	2.4	2.4	.2									4.9	3.6
NW	4.7	4.5	.6									9.9	3.8
NNW	4.2	7.5	4.3	.2								16.6	5.2
VARBL													
CALM												37.9	
	35.7	23.9	7.3	.2								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA STATION NAME 57-70, 72-78 YEARS 9-1
CLASS ALL WEATHER MONTH 0000-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.0	1.9	.2								3.0	3.9
NNE	1.4	.8										2.2	2.8
NE	1.0	.4										1.4	2.7
ENE	.7											.7	2.2
E	2.1	.1										2.2	2.3
ESE	1.6	.4										2.2	2.3
SE	1.4	.7										2.1	2.2
SSE	.5	.3										1.1	2.5
S	.7	.4										1.1	2.6
SSW	1.4	.4										1.8	2.3
SW	1.7	.4										2.1	2.7
WSW	1.5	.7										2.2	2.6
W	3.2	1.1										4.6	2.7
WNW	3.5	2.8	.1									5.8	3.3
NW	3.7	4.8	2.8	.4								11.7	5.1
NNW	3.7	4.8	3.3	.2								12.2	5.2
VARBL													
CALM												37.7	
	31.4	21.3	8.1	1.0								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS JUL MONTH
CLASS ALL AT THE 0900-1100 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.9	.4	.2								2.1	5.4
NNE	.1	.2										.4	4.0
NE	.1											.1	3.0
ENE													
E													
ESE	.1											.1	2.1
SE	.1											.1	2.3
SSE													
S													
SSW	.2	.1										.4	3.3
SW	.7	.2	.1									1.2	3.1
WSW	1.7	2.2	1.2									5.5	4.8
W	5.6	11.2	4.6	.1								21.7	5.0
WNW	4.3	11.3	6.4	.4	.1							22.6	5.5
NW	4.0	8.8	7.1	3.5								23.3	6.7
NNW	2.4	5.5	5.7	2.4	.1							16.5	7.1
VARBL													
CALM												6.1	
	20.2	40.4	20.0	7.1	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 667

AD-A082 417

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/S 4/9
VANDENBERG AFB, LONGOFC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)
AUG 79

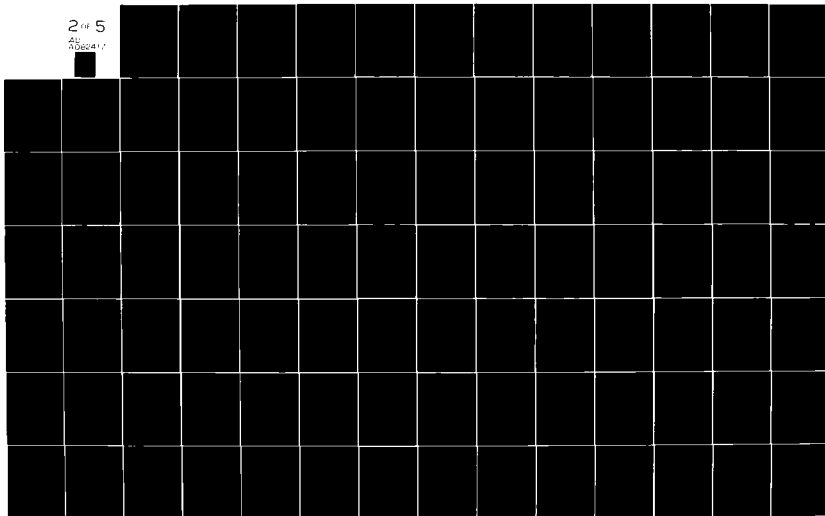
UNCLASSIFIED

USAFETAC/DS-88/885

ML

2 of 5

AD-A082 417



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS JUL NORTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.9									.9	8.1
NNE			.1									.1	10.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW	.2	.5	2.1									2.9	7.0
W	1.4	6.8	12.5	.1								21.3	6.6
WNW	2.1	6.8	19.0	2.1	.2							30.2	7.6
NW	1.1	2.2	19.3	6.0	.7							33.2	8.9
NNW	.2	1.0	1.0	4.3	.6							11.4	10.5
VARBL													
CALM													
	5.4	20.3	58.9	13.4	1.0							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 VANDENBERG AFB CA 57-70, 73-78 JUL
STATION NAME YEARS MONTH
ALL WEATHER CLASS 1500-1700
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.3	.3	.1							.7	11.8
NNE			.1									.1	8.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW		.1										.1	4.1
WSW		.3	.3									.6	5.8
W	1.7	4.4	6.4									12.4	6.2
WNW	1.8	8.1	11.3	1.4								23.2	7.1
NW	2.9	8.3	26.0	8.4	.8							46.3	8.4
NNW	.4	1.2	8.4	5.2	.7							16.4	9.9
VARBL													
CALM												.1	
	7.2	22.5	52.8	15.7	1.7							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 724

2
1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-74 YEARS JUL NORTH
1800-2200 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0	4.5	1.1	.2								7.3	5.0
NNE	.5	.4										.9	3.4
NE	.2	.2										.4	3.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW		.2										.2	4.0
WSW													
W	.7	1.3	.5									2.7	4.8
WNW	2.7	4.7	3.0	.7								11.6	5.7
NW	6.1	17.2	13.0	2.1								38.9	6.1
NNW	5.2	12.9	14.0	2.3								34.4	6.3
VARBL													
CALM												3.6	
	17.2	41.2	32.8	5.2								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VANDENBERG AFB CA 67-70, 73-74 YEARS JUL MONTH
CLASS ALL WEATHER 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	5.9	.9									13.3	3.7
NNE	3.6	1.3										4.9	2.7
NE	.9	.6										1.5	2.6
ENE	.2											.2	2.0
E	.4											.4	2.0
ESE													
SE	.2	.2										.4	3.0
SSE													
S	.2											.2	2.0
SSW	.2											.2	1.0
SW													
WSW	.4											.4	2.0
W	.6											.6	2.3
WNW	.4	.8	.9									2.1	5.2
NW	7.0	9.3	4.7	.6								21.6	4.9
NNW	7.4	15.7	8.3	.4								31.9	5.1
VARBL													
CALM												22.4	
	27.4	33.8	15.0	.9								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS
ALL WEATHER CLASS
ALL MONTHS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.6	1.0	.1	.0							6.1	4.5
NNE	1.3	.5	.0									1.8	2.8
NE	.7	.2										.9	2.5
ENE	.3											.3	2.2
E	.7	.0										.7	2.3
ESE	.5	.2										.7	2.7
SE	.6	.3										.8	2.8
SSE	.2	.1										.3	3.1
S	.3	.1										.4	2.5
SSW	.4	.1										.5	2.5
SW	.5	.2	.0									.7	2.9
WSW	.7	.6	.6									2.0	4.7
W	2.3	3.9	3.7	.0								10.0	5.5
WNW	2.6	5.6	6.2	.7	.1							15.1	6.3
NW	4.0	8.1	10.6	3.2	.2							26.1	7.0
NNW	3.2	6.6	6.5	2.3	.2							18.8	6.8
VARBL													
CALM												14.8	
	20.5	29.0	28.7	6.5	.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 5077

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73, 78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	5.3	.9	.0								12.6	4.3
NNE	2.8	.4										3.2	2.5
NE	.9	.4										1.3	2.8
ENE	1.1											1.1	2.0
E	1.7											1.7	2.0
ESE	1.1	1.3	.2									2.6	3.8
SE	1.7	.2										1.9	2.7
SSE	.2	.2										.4	3.0
S	.4											.4	2.0
SSW	.0											.6	1.3
SW	.2	.2										.4	3.0
WSW	1.1	.2										1.3	2.7
W	1.5	.6										2.1	2.7
WNW	1.3	1.1	.2	.2								2.8	4.2
NW	4.7	5.6	3.6	.4								14.3	5.1
NNW	5.1	9.6	1.9	.0								17.3	4.8
VARBL													
CALM												35.9	
	30.1	25.2	6.8	1.9								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 468

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73, 78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	4.5	.2									8.6	3.8
NNE	3.4	.2										3.6	2.0
NE	2.1	.2										2.4	2.5
ENE	1.3											1.3	2.3
E	1.9	.9										2.8	3.0
ESE	.6	.6										1.3	3.7
SE	2.1	1.9										4.1	3.4
SSE	1.9	.4										2.4	2.5
S	.2											.2	2.0
SSW	.2	.2										.4	2.5
SW	.6	.2										.9	2.5
WSW	.9											.9	2.3
W	2.6	1.1										3.6	2.6
WNW	1.9	3.0	.6									5.6	4.0
NW	3.4	4.7	2.4									10.5	4.4
NNW	4.1	5.2	2.4	.2								11.8	4.8
VARBL													
CALM												39.7	
	31.3	23.2	5.6	.2								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

466

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

57-70, 73-78
YEARS

AUG
MONTH

ALL W.F. THE
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.6	.2	.4								10.1	3.5
NNE	2.4	.5										3.0	2.4
NE	.8	.1										.9	2.7
ENE	1.2											1.2	1.9
E	.7	.5										1.2	3.4
ESE	.9	.5										1.5	2.7
SE	1.1	.4	.2									1.8	3.5
SSE	1.1	.5	.1									1.8	2.9
S	.8	.1										.9	2.7
SSW	.7	.1										.8	2.5
SW	.7											.7	2.4
WSW	.7	.1										1.1	2.1
W	3.0	.9										3.9	2.6
WNW	2.8	1.4	.3									4.5	3.2
NW	5.3	3.8	1.4	.4								10.8	4.1
NNW	3.9	3.5	1.0	.4	.1							9.7	4.8
VARBL													
CALM												46.0	
	33.0	15.3	6.3	1.2	.1							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70.73-78 YEARS AUG MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.3	.6									4.1	3.7
NNE	.4	.2										.6	2.6
NE													
ENE													
E	.4											.4	2.3
ESE	.1											.1	3.0
SE	.2		.2	.1								.6	7.2
SSE		.1	.2									.4	7.3
S	.6		.1									.7	3.0
SSW	.1		.1									.2	5.5
SW	1.0	.5	.1									1.6	3.4
WSW	2.0	2.3	.8									5.2	4.3
W	4.9	8.2	2.9									16.0	4.6
WNW	5.3	8.1	5.2	1.0								20.1	5.6
NW	5.1	10.0	8.2	2.0	.1							25.4	6.2
NNW	4.1	4.6	4.2	2.4	.4							15.6	6.7
VARBL													
CALM												9.0	
	26.4	35.3	22.7	6.1	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 57-70, 73-78 YEARS ALL WEATHER CLASS 1200-1400 NORTH HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.1	.1								.5	7.3
NNE													
NE				.1								.1	13.0
ENE													
E													
ESE			.1									.1	8.0
SE			.2									.2	7.5
SSE			.1	.2								.4	12.3
S													
SSW		.1	.1									.2	6.0
SW		.1	.2									.4	7.3
WSW		.4	1.6									1.9	7.4
W	1.5	5.6	11.0	.6								19.2	6.9
WNW	1.0	7.4	14.4	4.6	.1							27.8	7.8
NW	2.2	7.6	17.7	8.2	.7	.1						36.6	8.6
NNW	.2	1.7	6.7	2.7	.6	.2						12.6	9.9
VARBL													
CALM													
	6.4	23.2	52.4	16.2	1.5	.4						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73-78 MONTH Aug
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5										.5	5.5
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE			.1									.1	7.0
S			.1									.1	12.0
SSW		.1										.1	4.0
SW		.1	.1									.3	6.5
WSW	.1		.5									.7	8.2
W	2.3	3.8	3.7	.3								10.0	5.7
WNW	1.5	3.3	12.6	2.0								21.4	7.5
NW	3.4	11.1	23.7	9.0	1.1							48.4	8.4
NNW	.9	3.7	7.0	4.3	1.4	.3						18.2	9.6
VARBL													
CALM													
	8.3	24.7	48.7	15.0	2.4	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 737

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 57-70.73-74 YEARS AUG MONTH 1800-2000 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.3	.7	.4								8.6	4.5
NNE	.2	.4										.9	2.0
NE	.2											.2	1.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW		.2										.2	5.0
W	1.3	1.6	.2									3.0	3.7
WNW	1.3	2.7	2.0	.2								6.1	5.6
NW	7.0	13.8	12.2	3.2								36.2	6.2
NNW	5.7	22.2	9.1	3.2	.2							40.7	6.0
VARBL													
CALM												4.1	
	19.4	45.2	24.2	7.6	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 528

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23214 STATION VANDENBERG AFB CA 51-70.73-74.78 40 NORTH
ALL WINDS CLASS 2100-2100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	10.4	0.1	1.9	0.1								18.7	2.4
NNE	3.6	1.3										4.9	2.7
NE	0.3											0.3	2.2
ENE	0.3											0.6	2.7
E	0.7	0.2										1.0	2.5
ESE	1.1	0.2										1.3	2.7
SE	0.4	0.2										0.6	3.0
SSE	0.6											0.6	2.7
S	0.6											0.6	2.7
SSW	0.2											0.2	3.0
SW	0.2											0.2	2.0
WSW	0.2											0.2	2.0
W	0.0											0.6	2.0
WNW	0.0	0.4	0.0									1.5	5.1
NW	5.5	4.4	4.2	0.1								15.7	5.3
NNW	10.6	12.3	4.2	0.0	0.4							23.4	4.4
VARBL												23.0	
CALM													
	37.3	25.0	11.6	1.9	0.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDERBERG AFB CA 197-70, 71-78 YEARS
STATION NAME
ALL W. THIS CLASS
CONDITION
ALL
MOVES (L. S. T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.7	0.6	0.4								7.0	1.0
NNE	1.4	0.3										1.7	2.4
NE	0.5	0.1		0.0								0.6	2.8
ENE	0.4											0.4	2.1
E	0.6	0.2										0.8	2.8
ESE	0.4	0.3	0.0									0.7	2.4
SE	0.0	0.3	0.1	0.0								1.0	3.0
SSE	0.4	0.2	0.1	0.0								0.7	4.0
S	0.3	0.0	0.0									0.4	3.1
SSW	0.2	0.1	0.0									0.3	3.2
SW	0.3	0.2	0.1									0.6	3.0
WSW	0.7	0.5	0.2									1.6	4.7
W	2.4	3.2	2.0	0.1								9.6	5.3
WNW	2.3	4.1	3.3	1.2	0.0							13.0	6.6
NW	4.5	7.8	10.1	3.5	0.3	0.0						26.2	7.0
NNW	4.0	7.0	4.9	2.0	0.4	0.1						18.5	6.0
VARBL													
CALM												17.8	
	22.7	27.0	24.0	7.1	0.7	0.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 5152

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 33214 STATION NAME VANDENBERG AFB CA YEARS 67-70 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0000
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	2.2	1.1									9.7	3.4
NNE	1.7	2.2										3.9	3.7
NE	2.8	.3	.3									3.3	2.6
ENE	1.4	.6										1.9	2.7
E	3.9	3.3	.8									8.1	3.9
ESE	2.8	4.2	1.9									11.9	3.9
SE	2.5	.3	.3									3.1	3.1
SSE	.8											.9	2.3
S	.8											.8	2.3
SSW		.6										.6	4.0
SW	1.1											1.1	1.0
WSW	.3											.3	3.0
W	.1	.6										.8	3.3
WNW	1.7	.8		.3								2.8	3.6
NW	3.3	3.3	2.5	.3								9.4	5.1
NNW	2.5	9.1	2.5	.8								11.7	5.3
VARBL													
CALM												29.7	
	25.3	24.4	9.4	1.1								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70 YEARS
ALL WEATHER CLASS
0300-0500 MONTH
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	2.8	.0	.3								9.1	3.8
NNE	2.2	1.1										3.6	2.8
NE	1.7	.8										2.5	2.9
ENE	1.4	.3										1.7	2.7
E	3.2	3.1	.8									7.2	3.7
ESE	6.1	4.7	4.2									15.0	4.5
SE	2.2	.8										3.3	2.8
SSE	1.9	.6										2.5	2.6
S	1.1	.6										1.7	2.7
SSW	.6											.6	2.0
SW	.0											.6	1.5
WSW	1.7											1.7	2.2
W	1.7		.3									1.9	2.6
WNW	1.9	1.1	.3									3.3	3.4
NW	4.2	1.9	.8									6.9	3.8
NNW	3.6	4.2	1.9	.0								10.6	5.2
VARBL													
CALM												28.9	
	39.2	21.9	8.9	1.1								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS SEP MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.2	.8	.6								7.2	4.5
NNE	2.2	1.4	.1									4.1	3.1
NE	1.4	.6										2.0	2.9
ENE	1.0	.1										1.1	2.3
E	2.0	2.0	.1									4.1	3.6
ESE	3.2	4.1	2.2									9.6	4.6
SE	3.5	1.5	.4	.1								5.8	3.5
SSE	1.7	.1										1.8	2.5
S	.4	.1										.6	2.8
SSW	1.3	.3										1.5	2.4
SW	.6	.4										1.0	3.1
WSW	1.1	.1	.1									1.4	2.9
W	2.5	1.4										3.9	2.8
WNW	1.5	1.0	.3									2.8	3.7
NW	3.1	3.5	1.1	.1								7.9	4.3
NNW	3.4	2.7	2.7	.6								9.3	5.4
VARBL													
CALM												36.1	
	32.7	21.6	8.0	1.5								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS SEP MONTH 0900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.6	.8	.1	.1							3.0	5.3
NNE	.6	.1	.5	.4								1.6	6.2
NE	.3	.1	.4									.8	5.2
ENE		.1										.1	4.0
E		.1										.1	6.0
ESE	.6	.6	.3	.1								1.6	4.5
SE	1.1	.9	.8	.1								2.9	4.8
SSE	.1	.4										.5	5.0
S	.3	.4	.5									1.1	5.7
SSW		.6	.4									1.0	5.8
SW	1.1	1.1										2.3	3.6
WSW	1.5	3.8	1.0									6.3	4.9
W	5.0	7.3	4.2									16.5	4.8
WNW	4.2	6.8	3.5	.8								15.2	5.2
NW	3.8	7.7	6.2	3.4								21.0	6.8
NNW	2.3	4.2	3.8	2.3	.4							12.8	7.3
VARBL													
CALM												13.0	
	22.3	34.9	22.2	7.4	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.3	3.5
NNE													
NE			.1									.1	7.0
ENE													
E													
ESE		.1										.1	6.0
SE													
SSE	.1		.5	.5								1.1	10.0
S	.1			.1								.3	7.5
SSW			.1	.1								.3	10.0
SW		.4	.9	.4								1.6	8.3
WSW	.1	1.4	2.0	.6								4.2	7.4
W	1.6	7.7	10.3	.6								20.3	6.6
WNW	1.4	9.4	11.3	3.0	.1							25.3	7.4
NW	1.8	10.4	16.4	6.9	1.0	.1						36.6	8.3
NNW	.4	2.0	2.5	4.0	.9							9.8	10.4
VARBL													
CALM												.1	
	5.7	31.6	44.2	16.4	2.0	.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 07-70, 73-78 YEARS SEP
CLASS ALL WEATHER MONTH 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.0	.1								1.3	5.7
NNE		.1										.1	5.0
NE													
ENE													
E													
ESE													
SE		.3										.3	5.5
SSE			.1									.1	10.0
S		.1		.1								.3	9.0
SSW													
SW			.2	.3								.6	10.3
WSW	.1	.7	1.4	.2								2.5	7.3
W	.4	5.8	3.8									10.5	6.0
WNW	1.4	7.5	7.6	2.3	.1							19.0	7.2
NW	2.7	14.2	17.4	7.6	.6							41.4	8.0
NNW	1.4	4.7	9.5	3.2	2.1	.3						23.2	9.5
VARBL													
CALM												.4	
	6.9	32.8	40.7	16.0	2.8	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 57-70.73-74 YEARS
CLASS ALL WEATHER MONTH SEP
CONDITION 1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	4.3	1.1	0.0								12.2	4.1
NNE	2.6	0.7										3.0	2.7
NE	0.0											0.6	2.0
ENE	0.0											0.9	2.2
E	0.9	0.2										1.1	2.7
ESE		0.6										0.6	4.7
SE	0.6	0.2										0.7	3.0
SSE													
S	0.2											0.2	2.0
SSW													
SW	0.2	0.4	0.2									0.7	5.3
WSW	0.4											0.4	2.5
W	1.1	0.7										1.9	3.2
WNW	2.0	1.9	0.7	0.2								5.4	4.3
NW	3.7	11.5	7.2	3.0								25.4	6.6
NNW	7.2	15.2	10.4	2.2	0.2							35.2	5.9
VARBL													
CALM												11.9	
	26.4	35.6	19.6	5.4	0.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 540

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

94214
STATION

VANDENBERG AFB CA
STATION NAME

57-70, 73-74
YEARS

SEP
MONTH

ALL WFTHEA
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	1.9	1.0									8.7	3.4
NNE	3.5	1.9										5.4	3.2
NE	1.9											1.9	2.0
ENE	1.0											1.0	2.0
E	4.8	2.1										6.9	3.0
ESE	2.1	2.1	.2									4.4	3.0
SE	2.1	1.0										3.1	2.8
SSE	.4	.8										1.2	3.5
S	.6											.6	2.0
SSW													
SW	.4											.4	2.5
WSW	.0											.6	2.7
W	.6	.4										1.0	3.2
WNW	1.5	1.7	.2									3.3	3.9
NW	4.0	4.4	2.5	.8								12.3	4.9
NNW	6.2	7.7	7.5	.4								21.8	5.6
VARBL													
CALM												27.2	
	36.2	23.9	11.4	1.2								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 481

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 07-70, 73-78 YEARS SEP
MONTH ALL
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	.7	.2	.0							5.5	4.1
NNE	1.4	.8	.1	.1								2.4	3.5
NE	.8	.2	.1									1.1	2.9
ENE	.0	.1										.7	2.4
E	1.4	1.0	.1									2.6	3.5
ESE	1.7	1.7	.9	.0								4.3	4.3
SE	1.4	.6	.2	.1								2.3	3.6
SSE	.5	.2	.1	.1								.9	4.5
S	.4	.1	.1	.0								.6	4.2
SSW	.2	.2	.1	.0								.5	4.2
SW	.5	.4	.2	.1								1.1	5.0
WSW	.7	1.0	.7	.1								2.6	5.5
W	2.0	3.7	3.0	.1								8.8	5.5
WNW	2.1	4.5	3.8	1.0	.0							11.4	6.3
NW	3.2	7.7	7.9	3.3	.3	.0						22.4	7.1
NNW	3.1	5.4	5.1	2.3	.5	.0						16.5	7.2
VARBL													
CALM												16.2	
	23.0	29.2	23.1	7.5	.9	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 4749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70,77
YEARS

UCL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.1	2.3	.5	.3							8.9	5.0
NNE	2.3	.5										2.9	2.7
NE	1.0	1.0										2.1	3.3
ENE	1.0	1.0										2.1	3.0
E	5.2	6.2										11.5	3.5
ESE	6.0	10.7	5.5									22.1	4.8
SE	2.9	4.9	.3									8.1	3.7
SSE	1.0	.5										1.6	3.2
S	.5	.5										1.3	3.4
SSW	.3											.3	2.0
SW													
WSW	.5											.5	2.5
W	.6											.8	2.3
WNW	.6	1.3										2.1	4.0
NW	1.6	1.8	1.0	.5								4.7	4.9
NNW	1.6	5.2	4.7	1.0								13.0	6.7
VARBL													
CALM												18.2	
	24.4	37.0	14.8	2.3	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

384

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 67-70, 77-78 YEARS OCT MONTH 0300-0600 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.4	.8	1.3								8.7	5.5
NNE	2.1	1.5	1.0	.4								4.9	4.6
NE	1.8	.8										2.6	2.8
ENE	2.8	.8										3.6	2.5
E	5.1	5.6	.5									11.3	3.7
ESE	5.1	11.0	7.7									23.8	5.2
SE	4.4	5.1										9.5	3.7
SSE	.5	1.0										1.5	4.2
S	1.3	.3										1.5	2.5
SSW	.3											.3	3.0
SW	.3											.3	2.0
WSW	.5											.5	3.0
W		.3										.3	4.0
WNW	.8	1.0										1.8	3.7
NW	.3	1.8	.3	.5								2.8	6.5
NNW	1.6	3.3	4.0	1.0								10.8	6.9
VARBL													
CALM												15.9	
	24.2	36.9	14.9	3.1								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 390

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS OCT NORTH
ALL WE, THE CLASS 0600-0100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.6	2.9	.0								9.0	3.7
NNE	2.9	1.5	.8	.7								5.9	5.0
NE	1.2	1.0		.1								2.4	3.8
ENE	1.7	1.0	.3									2.9	3.3
E	5.3	3.6	.1									9.0	3.2
ESE	6.5	9.4	5.5									21.4	4.7
SE	4.3	5.7	1.7									11.6	4.3
SSE	1.0	.3										1.2	2.3
S	.0											.8	2.2
SSW	1.2	.1										1.4	2.3
SW	.1											.1	2.0
WSW	.4	.1										.6	3.3
W	.7	.3										1.0	2.6
WNW	1.0		.1	.1								1.2	4.0
NW	1.5	.8	.1	.1								2.6	3.7
NNW	1.7	1.5	2.0	.7								6.9	6.1
VARBL													
CALM												21.9	
	33.5	27.9	14.4	2.4								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION 0900-1100
VALID PERIOD AFB CA 57-70, 73-78
CLASS All at T
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.2	1.2	.7	.4							6.6	2.5
NNE	.2	.6	.5	1.6								2.9	2.5
NE	.2			.1								.4	4.7
ENE	.0	.1										.7	2.5
E	1.4	.1										1.5	2.5
ESE	2.2	2.4	.7									5.3	4.2
SE	1.9	2.0	1.1	.2								5.2	4.7
SSE	.2	.6	.1		.1							1.4	5.1
S	1.6	1.1	.4	.2								2.7	4.9
SSW	.0	.5	.4									1.5	4.6
SW	1.6	1.1	.4									3.1	3.5
WSW	.7	3.0	1.5	.1								6.0	5.4
W	2.0	2.5	2.2	.1								10.4	5.0
WNW	3.0	4.6	2.5	.7								17.8	5.5
NW	3.7	4.6	3.6	4.5	.2							16.7	7.3
NNW	2.1	2.7	4.2	3.0	.2							12.3	7.9
VARBL													
CALM												12.4	
	24.0	31.8	18.9	11.2	1.0							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 VALLENTOP AFB CA STATION NAME 51-70, 73-78 YEARS JCT
CLASS ALL WEATHER HOURS (LST) 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5		.4								1.1	7.3
NNE			.2	.1								.6	9.6
NE													
ENE													
E													
ESE													
SE	.1	.1	.1		.2							.6	12.2
SSE				.1								.1	14.0
S		.2	.6									.9	6.9
SSW		.6	.4	.2								1.2	7.5
SW	.1	.2	1.1	.6								2.4	9.4
WSW		1.6	3.7	1.1								6.5	8.3
W	.1	10.6	9.0	1.4								21.7	6.8
WNW	1.2	8.3	8.8	2.1	.6	.1						21.2	7.4
NW	.5	7.3	12.8	8.6	1.6	.1						31.0	9.5
NNW	.1	2.9	3.6	4.6	.9							12.1	10.2
VARBL													
CALM												.6	
	4.1	32.8	40.7	19.2	3.4	.1						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 57-70, 73-78 YEARS MONTH JCI
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	.7	.4								2.3	6.5
NNE		.3										.3	5.0
NE													
ENE													
E			.1									.1	10.0
ESE			.3									.3	9.0
SE				.4								.4	13.0
SSE		.3	.1									.4	6.0
S		.3										.3	5.0
SSW		.3	.1									.4	5.7
SW	.1	.3	.5									.9	6.9
WSW	.1	.9	2.2	.6								4.1	8.3
W	1.1	0.2	3.1	.5								11.0	5.9
WNW	2.2	7.1	6.4	1.6	.1							17.4	6.7
NW	1.9	11.8	15.5	5.7	2.0							37.2	8.3
NNW	1.5	6.2	6.6	7.4	1.6							23.9	9.5
VARBL													
CALM												1.1	
	7.6	34.2	35.7	17.4	3.8							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 737

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA STATION NAME 67-70, 73-74, 77 YEARS
ALL WEATHER CLASS
CONDITION
UCI NORTH
1600-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	4.5	3.2	.2								13.3	5.1
NNE	1.6	.9	.2	.6								2.8	3.9
NE	.5	.5										1.0	3.3
ENE	1.0	.3										1.4	2.9
E	2.6	1.0										3.7	2.9
ESE	1.2	1.9	.2	.2								4.2	3.9
SE	.9	1.2	.3	.2								2.6	5.3
SSE	.7	.5	.2									1.4	4.0
S	.3	.3	.2									.9	4.6
SSW	.2	.2										.7	3.3
SW	.7	.7										1.4	3.9
WSW	.9	.9										1.7	3.6
W	2.1	.5										2.6	2.7
WNW	1.0	1.2	.7	.2								3.1	5.1
NW	2.4	6.3	3.7	1.9	.2							14.5	6.4
NNW	4.0	8.7	5.4	4.9	.3							23.4	7.1
VARBL													
CALM												21.2	
	26.0	29.9	14.3	8.0	.5							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 33214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 73-74, 77-78 MONTH JCT
CLASS ALL WEATHER MONTHS (L.S.T.) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.4	1.5	1.0								10.8	5.1
NNE	1.5	.8	.6	.2								3.1	4.4
NE	1.7	.8	.4		.2							3.1	4.5
ENE	.6	1.0										1.5	3.3
E	7.5	4.8	.6									13.0	3.5
ESE	4.4	6.8	1.9									13.2	4.2
SE	2.1	2.5	.4									5.0	4.2
SSE		.4										.4	4.0
S	.4	.2	.4									1.4	4.1
SSW	.2	.2										.4	3.0
SW	.6	.2										.8	2.3
WSW	.2											.2	1.0
W	.2	.4	.2									.8	4.3
WNW	.8	.4	.2		.4							1.7	7.3
NW	1.9	4.1	.8	.6								7.4	5.1
NNW	2.9	5.8	5.0	1.5								15.3	6.4
VARBL													
CALM												22.1	
	29.4	32.7	12.0	3.3	.6							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 517

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

57-70, 73-78
YEARS

JCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.5	1.5	.0	.1							7.0	5.7
NNE	1.2	.7	.4	.4								2.7	5.3
NE	.7	.4	.0	.0	.0							1.2	3.3
ENE	.8	.4	.0									1.3	3.0
E	2.9	2.1	.1									5.2	3.4
ESE	2.9	4.4	2.2	.0								9.5	4.7
SE	1.8	2.4	.5	.1	.0							4.9	4.5
SSE	.4	.4	.1	.0	.0							.9	4.3
S	.6	.4	.2	.0								1.2	4.4
SSW	.4	.3	.1	.0								.9	4.5
SW	.5	.4	.3	.1								1.3	5.2
WSW	.4	1.1	1.2	.3								3.0	6.7
W	1.1	3.7	2.3	.3								7.5	5.9
WNW	1.5	3.5	2.9	.7	.2	.0						8.8	6.5
NW	1.8	5.3	5.6	3.3	.6	.1						16.8	8.0
NNW	1.9	4.4	4.6	3.4	.5							14.7	8.0
VARBL													
CALM												12.9	
	21.2	32.4	22.3	9.6	1.4	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 4930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93214 STATION NAME VANDENBERG AFB CA YEARS 67-70 MONTH NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.9	2.2	.0								5.6	6.5
NNE	3.3	.8	.6									4.7	3.5
NE	2.8	.3										3.1	2.6
ENE	2.8	1.4	.3									4.4	3.6
E	4.7	6.9	.8									12.5	4.1
ESE	3.3	17.5	8.1	.0	.6							30.3	5.9
SE	2.6	3.9	3.3	1.7	.3	.0						12.8	7.8
SSE	.6	.6	.6									1.7	5.2
S	.3	.3	.3									.8	5.0
SSW	1.1	.3	.3									1.7	3.0
SW		.6	1.1									1.7	7.2
WSW	.3		1.1									1.4	6.8
W	.3		.3									.6	5.5
WNW	.3											.3	1.0
NW	.3	.8										1.1	3.5
NNW	1.4	1.9	2.8	.6								7.5	6.4
VARBL													
CALM												10.0	
	25.0	37.2	21.7	3.4	.8	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70 YEARS 407 NORTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.6	2.8	.6								9.2	5.5
NNE	.8	3.1	1.1	1.1								6.1	6.5
NE	2.2	1.9	.3	.0								5.0	4.3
ENE	1.7	1.4										3.1	3.5
E	5.3	8.3	.8		.3							14.7	4.3
ESE	3.1	15.8	4.7	.0								29.2	6.0
SE	1.7	2.6	1.1	1.4	.3	.6						10.6	7.2
SSE	.0	.3		.6								1.4	7.5
S	.6		.3		.3							1.1	7.0
SSW	.9											.8	2.7
SW		.3										.3	5.0
WSW													
W	.3	.3	.6	.3								1.4	8.2
WNW	.0	.3	.3									1.4	3.5
NW	1.7	2.8	1.1									5.6	4.5
NNW	.3	.8	1.7	.0								3.3	7.5
VARBL													
CALM												6.9	
	21.9	44.4	14.7	5.0	.8	.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 360

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 94214 VANDENBERG AFB CA STATION NAME 57-70, 73-78 YEARS NOV
MONTH 0600-1800
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	3.4	1.2								10.8	6.4
NNE	2.1	2.0	.5	.4	.2							5.2	5.2
NE	1.4	.9	1.1	.5								3.9	6.0
ENE	.5	1.4										2.0	3.9
E	4.4	6.2	.7									11.4	4.1
ESE	6.4	13.6	8.2	.7								31.4	5.3
SE	1.6	6.9	1.8	1.4	.5	.2						12.6	6.7
SSE	.7	.2	.2									1.1	3.8
S		.5	.5									1.1	6.3
SSW	.2											.2	2.0
SW	.2											.2	1.0
WSW		.2		.2								.4	8.5
W	.2	.2										.4	4.0
WNW	.5		.2									.7	3.3
NW		1.1	1.1	.2								2.3	6.6
NNW	.9	2.1	1.8	.2								5.0	5.8
VARBL													
CALM												11.5	
	21.8	41.6	19.4	4.0	.7	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 563

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 94214 STATION NAME VANDENBERG AFB CA YEARS 57-70, 73-78 MONTH NOV
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.2	2.2	2.2	.6							10.6	9.2
NNE	.6	.9	1.2	1.4	.3							5.1	9.4
NE	.8	.9	.8	.2								2.7	5.8
ENE	.6	.1	.4									1.1	4.6
E	1.9	1.4	.3	.3								3.8	4.1
ESE	4.3	5.5	2.2	.4								12.4	4.7
SE	3.9	4.6	2.8	1.4	.4	.3						13.4	6.4
SSE	.7	.9	.3	1.0	.1							3.2	7.2
S	1.1	.3	.4	.1								1.9	4.2
SSW	.5	.3	.1									.9	4.0
SW	.5	.4	.4									1.3	4.4
WSW	.4	.9	.8	.1								2.2	5.9
W	2.4	1.5	1.2									5.6	4.3
WNW	1.0	1.7	1.2	.3								4.2	5.6
NW	1.4	2.2	2.7	1.4	.3							7.9	7.6
NNW	1.2	2.8	4.7	3.1	.1							13.0	8.1
VARBL													
CALM												10.8	
	24.2	27.4	22.9	12.6	1.8	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 785

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 VANDENBERG AFB CA 67-70, 73-78 ALL WEATHER 1200-1400
STATION STATION NAME YEARS NORTH HOURS (L.S.T.)
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	1.2	.4	.5							3.3	10.5
NNE	.4	.4	.5	.4								1.7	7.3
NE		.2										.3	5.0
ENE													
E	.1	.1		.1								.4	6.7
ESE		.3	.4	.1								.8	7.7
SE	.4	.5	.8	1.0	.4	.1						3.9	11.2
SSE	.1	.5	.6	1.0	.5	.1						2.9	11.9
S		.4	.9	.4	.1							1.8	9.9
SSW			.4	.3								.6	10.2
SW	.1	.6	.4	.4								1.5	7.1
WSW	.4	1.8	3.1	.5								5.7	7.2
W	1.7	7.6	6.5	.3								16.0	6.1
WNW	1.0	8.8	6.4	1.7								18.6	6.5
NW	.5	5.6	10.4	9.4	1.0	.3						27.2	9.9
NNW	.6	1.3	4.3	5.7	.6	.1						12.7	11.0
VARBL													
CALM												2.5	
	6.4	28.6	36.1	22.0	3.2	.6						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 786

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214
STATION

VANDENBERG AFB CA
STATION NAME

51-70, 73-78
YEARS

11 V
NORTH

ALL W. TIME
CLASS

1500-1700
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	1.3	1.3	.1							5.6	6.9
NNE	.5	.1	.1	.4								1.2	7.1
NE	.1											.1	2.0
ENE													
E		.1										.1	4.0
ESE	.1	.3		.2								.6	3.2
SE	.1	.5	.6	.6	.6	.1						2.9	12.9
SSE		.1	.6	.4								1.3	2.3
S	.1	.3	1.2									1.7	7.6
SSW	.1	.1	.4	.4								1.0	8.0
SW	.2	1.0	.9	.3								2.4	6.7
WSW	.8	.6	1.2	.1								2.7	6.3
W	3.1	4.9	1.6									9.7	4.5
WNW	3.5	3.2	3.2	1.0								10.9	5.8
NW	3.1	7.6	10.8	7.2	.8	.4						29.7	8.5
NNW	2.8	5.5	9.0	7.3	.6							25.2	3.6
VARBL													
CALM												4.7	
	16.4	23.6	31.1	19.4	2.3	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 67-70, 73-74 YEARS NOV NORTH
1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	3.9	3.1	1.1								12.4	5.4
NNE	1.3	2.4	.2	.2								4.1	4.4
NE	1.3	.7	.2									2.2	3.6
ENE	1.9	.2	.4									2.4	3.2
E	4.1	3.0	.6	.2								7.8	3.8
ESE	4.1	3.3	.6									8.0	3.6
SE	3.1	2.2	.4	1.7	.4							7.8	6.7
SSE	.7	.4	.4	.2								1.7	5.3
S	.9	.2	.9	.2								2.2	5.9
SSW	.4	.6	.2		.2							1.3	6.1
SW	.6	.9										1.5	3.5
WSW	.4	.2	.2	.4								1.1	7.3
W	1.7											1.7	2.3
WNW	.9	.4	.2	.2								1.7	4.7
NW	2.0	2.6	2.4	1.1	.4							9.1	6.5
NNW	1.3	6.7	7.6	2.6	.2							18.9	7.1
VARBL													
CALM												16.3	
	30.0	27.6	17.2	7.8	1.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 540

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-74 YEARS MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.0	2.4	.9								9.7	5.6
NNE	1.7	1.1	.7	.2								3.7	4.8
NE	1.3	1.9	.6	.2								3.9	4.8
ENE	1.5	.4										1.9	3.0
E	4.0	6.0	1.5	.6								14.9	4.5
ESE	4.3	11.9	3.9	.2	.2							20.4	5.1
SE	2.2	3.5	1.1	2.0	.6							9.5	7.4
SSE	.4	.2	.2	.4								1.1	7.0
S	.6	.6	.2	.4								1.7	6.1
SSW	.4	.4										.7	3.0
SW	.0	.4		.2								1.1	4.8
WSW		.4	.4									.7	7.5
W	.2	.2		.2								.6	6.0
WNW	.6											.6	2.3
NW	.7	1.3	1.1	.7								3.9	6.9
NNW	.9	3.5	4.6	.4								10.0	6.9
VARBL													
CALM												15.6	
	23.4	36.6	10.7	6.4	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 538

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 VANDENBURG AFB CA 67-70, 73-78 40y
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.3	2.4	1.2	.2							8.2	6.8
NNE	1.2	1.2	.7	.0	.1							3.6	6.2
NE	1.2	.8	.4	.2								2.3	4.8
ENE	.0	.5	.1									1.5	3.6
E	2.7	3.4	.5	.1	.0							6.7	4.2
ESE	3.6	7.2	3.3	.3	.1							13.8	5.3
SE	1.9	3.1	1.4	1.2	.5	.2						8.6	7.6
SSE	.2	.4	.4	.5	.1	.0						1.9	6.2
S	.2	.3	.0	.1	.0							1.6	6.7
SSW	.4	.2	.2	.1	.0							.9	5.7
SW	.3	.6	.4	.1								1.3	5.7
WSW	.3	.6	1.0	.2								2.1	6.8
W	1.2	2.4	1.7	.1								5.7	5.2
WNW	1.4	2.3	1.9	.2								6.1	6.0
NW	1.4	3.4	4.6	3.2	.4	.1						13.0	8.2
NNW	1.4	3.4	4.9	3.2	.3	.0						13.2	8.3
VARBL													
CALM												9.3	
	20.2	32.1	24.4	12.1	1.6	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 4713

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDEMBERG AFB CA 57-70.77 YEARS DEC NORTH
ALL REF. THIS CLASS
CONDITION
0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	2.4	.5								7.5	6.2
NNE	3.2	4.3	1.3									8.8	4.4
NE	2.7	2.1	.5									5.3	3.9
ENE	2.7	1.6										4.3	3.3
E	5.9	8.8	1.9									16.5	4.3
ESE	8.1	18.1	3.2									27.5	4.8
SE	2.4	4.3	2.1	.5	.3							9.6	6.0
SSE		1.1		.5	.3							1.9	8.7
S	.5		.3	.0								1.6	9.2
SSW	.5	.3										.8	3.0
SW			.3									.3	10.0
WSW	.3		.5									.8	6.0
W	.5	.5										1.1	3.5
WNW	.3											.3	2.0
NW	.3		.5									.8	5.7
NNW	.3	.8	1.6	.3								2.9	7.2
VARBL													
CALM												10.1	
	21.7	44.0	14.7	2.4	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 375

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44214 STATION NAME VANDENBERG AFB CA YEARS 67-70, 77 MONTH JUL
CLASS ALL WEATHER HOURS 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	4.0	3.2	.2								8.5	6.2
NNE	1.9	3.2	1.9									6.9	5.1
NE	4.0	2.4										6.4	3.3
ENE	2.9	1.9	.5									5.3	3.5
E	4.3	8.8	1.6									14.7	4.4
ESE	4.0	18.4	7.2	.3								29.9	5.4
SE	3.7	4.5	2.1	.5	.3							11.2	5.5
SSE				.3	.5							.8	16.0
S	.3		.3	.5								.8	8.3
SSW	.3			.5								.8	9.7
SW	.3	.3										.5	3.0
WSW	.3											.3	3.0
W		.5	.3	.5								1.3	8.4
WNW				.3								.3	11.0
NW		.3		.5								.8	9.7
NNW	.3	1.9	1.3	.3								3.7	6.7
VARBL													
CALM												7.7	
	22.2	46.1	18.4	4.0	.8							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 375

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-78 YEARS DEC NORTH
0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.8	3.8	1.9								12.5	6.7
NNE	2.4	2.4	1.0	.3								6.2	5.1
NE	2.1	1.4	.3	.3								4.1	4.4
ENE	.3	.5	.2									1.0	4.8
E	3.4	7.0	1.9									12.3	4.4
ESE	5.7	18.8	8.2	.9								33.6	5.4
SE	2.4	7.4	1.5	1.4	.2							12.8	6.1
SSE	.3	.2	.2	.2	.2							1.0	3.0
S	.7	.3										1.0	2.8
SSW	.7		.2									.9	3.4
SW	.2											.2	2.0
WSW	.3	.2	.2	.2								.9	6.4
W		.2	.5	.3								1.0	9.7
WNW	.3		.2									.5	4.3
NW	.2	.3		.9								1.4	10.1
NNW	.9	1.2	.9	.5								3.4	6.3
VARBL													
CALM												7.2	
	21.9	44.7	19.0	6.4	.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-78
YEARS

JEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.6	3.7	3.1	.4							12.2	8.0
NNE	1.0	1.0	2.1	1.4	.4							5.8	8.2
NE	1.1	.5	1.0	.2								2.8	8.4
ENE	.9	.5		.1								1.5	3.8
E	2.8	2.7	.1									5.7	3.6
ESE	4.4	10.6	3.4	.2								19.3	5.2
SE	4.1	5.7	3.3	1.6	.9	.1						15.6	6.8
SSE	1.0	1.6	.2	.2	.1		.1					3.6	6.9
S	.6	.2										.9	2.7
SSW	.2	.1	.1									.5	4.5
SW	.6	.4	.5									1.5	5.0
WSW	.4	.7	.1	.2								1.5	5.8
W	.4	.2	.5									1.1	5.7
WNW	1.0	.5	.4	.1								2.0	4.8
NW	.7	1.2	2.2	.7								4.9	7.1
NNW	1.2	2.5	3.7	3.3	.1							10.8	8.5
VARBL													
CALM												10.5	
	22.9	31.0	21.4	12.2	1.8	.1	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

43214 STATION 43214 VANDENBERG AFB CA STATION NAME 67-70, 73-78 YEARS 061 NORTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	1.2	3.7	.1							6.1	10.7
NNE	.1	.4	1.0	1.4	.5							3.3	11.1
NE	.4		.1	.5								1.0	8.6
ENE	.2											.2	2.0
E	.1		.1									.2	5.0
ESE	.1	.1										.2	3.0
SE	.4	.5	2.0	1.5	1.1	.4	.1					5.9	12.6
SSE	.1	.6	1.1	.6	.1	.2						2.8	11.0
S	.4	.2	1.0	.1								1.7	7.1
SSW	.2	.2	.5	.1								1.1	6.6
SW	.9	.7	1.0	.2								2.8	5.5
WSW	1.2	2.8	1.6	.2	.1							6.0	5.7
W	2.6	8.8	3.2	.2	.1							15.0	5.3
WNW	2.1	5.2	2.5	.7								10.4	5.6
NW	1.7	5.4	8.0	6.4	.4							21.9	8.6
NNW	.7	2.1	6.3	7.5	.7							17.3	10.4
VARBL													
CALM												3.8	
	11.4	27.6	29.5	23.2	3.2	.6	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 814

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 VANDENBERG AFB CA 67-70, 73-78
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
DEC 1500-1700 MONTH HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	2.4	2.5								7.3	8.3
NNE	.7	.5	.7	1.1	.1							3.2	4.5
NE			.2	.1								.4	0.7
ENE	.2			.2								.5	0.3
E	.1	.1										.2	0.0
ESE		.4	.2	.2								1.1	0.7
SE	.1	.5	1.5	1.6	.5	.2	.1					4.6	12.4
SSE	.1	.1	.6	.2	.4	.4						1.9	13.0
S		.2	.1	.2								.6	0.2
SSW	.1	.5	.1									.7	4.5
SW	.9	.6	.6	.1								2.2	5.3
WSW	.7	.7	1.0									2.5	5.4
W	4.0	5.1	1.4									10.4	4.4
WNW	2.5	3.2	1.9	.4								8.0	5.3
NW	3.9	8.9	6.5	4.4	1.0							24.2	7.5
NNW	4.2	4.8	8.9	7.7	.5	.1						26.3	4.5
VARBL													
CALM												5.7	
	18.5	27.5	26.2	18.6	2.5	.7	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-74, 77-78
YEARS

UTL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	7.1	4.3	1.2								15.8	5.9
NNE	2.1	3.5	1.1	.5								7.3	5.2
NE	1.6	2.1	.9	.2								4.8	4.9
ENE	2.8	1.2	.4									4.4	3.3
E	2.7	3.0										5.7	3.5
ESE	2.5	2.7	1.1	.5								6.7	5.0
SE	1.0	2.3	1.4	2.0	.7	.4						8.5	8.7
SSE		.2	.4		.2							.7	9.8
S	.5	.4	.5									1.4	5.0
SSW	.4	.2	.2									.7	5.0
SW	.4											.4	1.5
WSW		.2	.2									.4	6.5
W	.9	.4	.2									1.4	3.3
WNW	.7	.4	.2									1.2	4.3
NW	1.2	1.6	1.8	1.4	.4							6.4	7.6
NNW	2.3	5.5	4.6	2.7	.4							15.4	7.5
VARBL													
CALM												18.8	
	23.0	30.7	17.0	8.5	1.6	.4						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 564

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 STATION VANDENBERG AFB CA 67-70, 73-75, 77 YEARS DEC NORTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.7	6.4	.7								15.0	6.1
NNE	1.8	2.9	2.9	.4								7.9	5.8
NE	1.4	1.6	1.1									4.1	4.7
ENE	3.0	1.4										4.5	2.8
E	4.1	7.7	.2									12.0	4.0
ESE	3.8	13.8	2.1	.5								20.2	5.0
SE	1.6	4.5	.2	1.4								7.7	5.9
SSE	.5	.5	.4	.7	.4							2.5	9.2
S	.7		.5	.5	.2							2.0	8.5
SSW	.4											.4	2.0
SW			.4									.4	9.0
WSW	.2	.2		.2								.5	6.0
W	.7	.2	.2	.2								1.3	4.4
WNW	.2	.2	.4	.2								.9	7.2
NW	.5	.4	.2	.4								1.4	6.8
NNW	1.3	2.0	1.8	1.3								6.3	7.1
VARBL													
CALM												13.1	
	23.4	39.9	16.6	6.4	.5							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93214 VANDENBERG AFB CA 67-70, 74-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
ALL
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2	3.3	2.1	.1							10.5	7.2
NNE	1.4	1.9	1.5	.6	.2							5.7	6.6
NE	1.3	1.0	.5	.2								3.1	4.9
ENE	1.4	.7	.1	.1								2.2	3.5
E	2.5	3.9	.6									6.9	4.1
ESE	2.4	8.8	2.8	.5								14.9	5.2
SE	1.9	3.4	1.8	1.4	.6	.2	.0					9.3	7.7
SSE	.3	.6	.4	.4	.2	.1	.0					2.1	9.7
S	.4	.2	.3	.2	.0							1.2	6.6
SSW	.3	.2	.2	.1								.7	5.1
SW	.5	.3	.4	.1								1.2	5.3
WSW	.5	.8	.5	.1	.0							1.9	5.7
W	1.4	2.5	1.0	.1	.0							5.0	5.0
WNW	1.1	1.5	.9	.2								3.7	5.4
NW	1.3	2.9	3.0	2.2	.3							9.6	7.9
NNW	1.0	2.8	4.2	3.6	.3	.0						12.4	8.6
VARBL													
CALM												9.2	
	20.7	34.6	21.5	12.0	1.6	.3	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 4889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 93214 VANDENBERG AFB CA STATION NAME 67-70, 73-79 YEARS ALL MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.5	1.9	1.0	.1	.0						7.6	6.2
NNE	1.2	1.0	.5	.3	.0	.0						3.0	5.3
NE	.8	.5	.1	.0	.0							1.5	4.0
ENE	.7	.3	.0	.0								1.0	3.2
E	1.7	1.8	.2	.0	.0							3.7	3.8
ESE	1.8	3.5	1.4	.1	.0	.0						6.9	5.0
SE	1.2	1.7	.9	.8	.3	.1	.0					5.1	7.3
SSE	.4	.4	.4	.4	.1	.0	.0					1.7	8.1
S	.4	.3	.4	.2	.1	.0						1.4	7.2
SSW	.3	.2	.2	.1	.0	.0	.0					.9	6.0
SW	.4	.4	.3	.1	.0							1.2	5.7
WSW	.5	.8	.7	.1	.0							2.2	5.9
W	1.5	3.0	2.2	.2	.0							6.8	5.6
WNW	1.5	3.3	3.5	.9	.1	.0						9.2	6.7
NW	2.2	5.2	7.1	4.2	.6	.1	.0					19.3	8.2
NNW	2.1	4.5	5.8	4.2	.9	.2	.0					17.5	8.6
VARBL													
CALM												10.9	
	18.9	29.4	25.5	12.8	2.1	.4	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 59437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93214 STATION VANDENBERG AFB CA 67-70, 73-79 YEARS
STATION NAME
INSTRUMENT
CLASS
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION
AND/OR VSBY 1/2 TO 2-1/2 MI W/ CIG 200 FT OR MORE
ALL NORTH
ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.8	1.2	.2	.0							7.1	4.5
NNE	1.3	.6										1.9	2.8
NE	.7	.2	.0									.9	2.7
ENE	.4	.1	.0									.5	2.6
E	.8	.3	.0	.0								1.1	3.1
ESE	.7	.8	.3	.1	.0							2.0	4.8
SE	.8	.7	.3	.3	.1	.1						2.3	7.1
SSE	.3	.3	.1	.2	.0							1.0	6.8
S	.4	.2	.2	.2	.1	.1						1.2	8.2
SSW	.4	.2	.2	.2	.0		.0					.9	6.2
SW	.5	.4	.2	.1								1.2	4.9
WSW	.7	.8	.4	.1	.0							2.0	4.9
W	2.1	3.4	2.3	.1	.0							8.0	5.3
WNW	2.3	4.2	4.1	.7	.0							11.2	6.2
NW	3.0	8.0	9.3	3.3	.2	.0						24.4	7.0
NNW	3.6	7.8	8.2	2.5	.1							22.2	5.8
VARBL													
CALM												12.0	
	21.6	30.8	26.8	7.4	.7	.2	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 13503

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, Visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100					95.4		96.9			98.3						100.0
≥ 0																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70-73

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	46.5	55.6	55.9	56.2	56.5	56.5	57.0	57.5	57.5	57.5	57.5	57.8	58.1	58.3	58.9	58.9
≥ 20000	49.5	58.6	58.9	59.4	59.7	59.7	60.2	60.8	60.8	60.8	60.8	61.0	61.3	61.6	62.1	62.1
≥ 18000	50.3	59.4	59.7	60.2	60.5	60.5	61.0	61.6	61.6	61.6	61.6	61.8	62.1	62.4	62.9	62.9
≥ 16000	52.4	61.6	61.8	62.4	62.6	62.6	63.2	63.7	63.7	63.7	63.7	64.0	64.2	64.5	65.1	65.1
≥ 14000	53.2	62.9	63.2	63.7	64.0	64.2	64.8	65.3	65.3	65.3	65.3	65.6	65.9	66.1	66.7	66.7
≥ 12000	54.3	64.0	64.5	65.1	65.3	65.6	66.1	66.7	66.7	66.7	66.7	66.9	67.2	67.5	68.0	68.0
≥ 10000	54.8	64.8	65.3	65.9	66.1	66.4	66.9	67.5	67.5	67.5	67.5	67.7	68.0	68.3	68.8	68.8
≥ 9000	54.8	64.8	65.3	65.9	66.1	66.4	66.9	67.5	67.5	67.5	67.5	67.7	68.0	68.3	68.8	68.8
≥ 8000	55.6	65.9	66.4	67.5	67.7	68.0	68.5	69.1	69.1	69.1	69.1	69.4	69.6	69.9	70.4	70.4
≥ 7000	56.5	66.9	67.5	68.5	68.8	69.1	69.6	70.2	70.2	70.2	70.2	70.4	70.7	71.0	71.2	71.2
≥ 6000	57.3	67.7	68.3	69.4	69.6	69.9	70.4	71.0	71.0	71.0	71.0	71.2	71.5	71.8	72.3	72.3
≥ 5000	57.3	68.3	68.8	69.9	70.2	70.4	71.0	71.5	71.5	71.5	71.5	71.8	72.0	72.3	72.8	72.8
≥ 4500	58.1	69.1	69.6	71.0	71.2	71.5	72.0	72.6	72.6	72.6	72.6	72.8	73.1	73.4	73.9	73.9
≥ 4000	59.7	73.1	73.9	75.3	75.5	75.8	76.3	76.9	76.9	76.9	76.9	77.2	77.4	77.7	78.2	78.2
≥ 3500	61.8	75.8	76.6	78.0	78.2	78.5	79.0	79.6	79.6	79.6	79.6	79.8	80.1	80.4	80.9	80.9
≥ 3000	62.1	77.4	78.2	79.6	79.8	80.1	80.6	81.2	81.2	81.2	81.2	81.5	81.7	82.0	82.5	82.5
≥ 2500	62.9	78.5	79.3	80.6	80.9	81.2	81.7	82.3	82.3	82.3	82.3	82.5	82.8	83.1	83.6	83.6
≥ 2000	63.2	78.8	79.6	80.9	81.2	81.5	82.0	82.5	82.5	82.5	82.5	82.8	83.1	83.3	83.9	83.9
≥ 1800	63.2	79.0	79.8	81.2	81.5	81.7	82.3	82.8	82.8	82.8	82.8	83.1	83.3	83.6	84.1	84.1
≥ 1500	64.2	80.9	82.3	83.6	83.9	84.1	84.7	85.2	85.2	85.2	85.2	85.5	85.8	86.0	86.6	86.6
≥ 1200	64.2	82.0	83.9	85.5	86.0	86.3	86.8	87.4	87.4	87.4	87.4	87.6	87.9	88.2	88.7	88.7
≥ 1000	64.2	82.8	84.9	87.1	87.6	87.9	88.4	89.0	89.0	89.0	89.0	89.2	89.5	89.8	90.3	90.3
≥ 900	64.2	83.1	85.2	87.6	88.2	88.4	89.0	89.5	89.5	89.5	89.5	89.8	90.1	90.3	90.9	90.9
≥ 800	64.2	83.3	85.5	87.9	88.4	88.7	89.2	89.8	89.8	89.8	89.8	90.1	90.3	90.6	91.1	91.1
≥ 700	64.2	84.1	86.6	89.0	89.5	89.8	90.3	90.9	91.1	91.1	91.1	91.4	91.7	91.9	92.5	92.5
≥ 600	64.2	84.9	87.4	89.8	90.3	90.6	91.1	91.7	91.9	91.9	91.9	92.2	92.5	92.7	93.3	93.3
≥ 500	64.2	84.9	87.4	90.1	90.6	90.9	91.4	91.9	92.2	92.2	92.2	92.5	92.7	93.0	93.5	93.5
≥ 400	64.2	86.8	89.2	92.5	93.3	93.5	94.1	94.6	94.9	94.9	94.9	95.2	95.4	95.7	96.2	96.2
≥ 300	64.2	86.8	89.2	92.5	93.5	93.8	94.4	94.9	95.2	95.4	95.4	95.7	96.0	96.2	96.8	97.0
≥ 200	64.2	86.8	89.2	92.5	93.5	93.8	94.4	94.9	95.2	95.4	95.4	95.7	96.0	96.5	97.0	98.4
≥ 100	64.2	86.8	89.2	92.5	93.5	93.8	94.4	94.9	95.2	95.4	95.4	95.7	96.0	96.5	97.8	100.0
≥ 0	64.2	86.8	89.2	92.5	93.5	93.8	94.4	94.9	95.2	95.4	95.4	95.7	96.0	96.5	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

372

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70, 73, 76

44

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	45.5	55.6	55.9	55.9	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
20000	49.5	59.9	60.2	60.2	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
18000	51.1	61.5	61.8	61.8	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
16000	52.7	63.6	64.2	64.2	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
14000	54.3	65.2	65.8	65.8	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
12000	54.8	65.8	66.3	66.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
10000	54.8	65.8	66.3	66.3	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
8000	56.4	67.4	67.9	67.9	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
6000	58.4	67.9	68.4	68.4	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
4000	57.5	69.3	69.8	69.8	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2000	57.5	69.3	70.3	70.3	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
1000	58.0	70.1	70.9	70.9	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
500	60.4	72.7	73.8	73.8	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
200	62.6	76.2	77.3	77.3	78.1	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
100	64.4	79.4	80.7	80.7	81.6	81.6	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
50	66.0	82.6	84.0	84.0	84.8	84.8	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
20	66.0	83.7	85.0	85.0	85.8	85.8	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
10	66.0	84.0	85.3	85.3	86.1	86.1	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
5	66.0	85.3	86.6	86.6	87.4	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2	66.0	85.6	86.9	87.2	88.0	88.0	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1	66.0	85.8	87.2	87.4	88.2	88.2	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
0.5	66.0	86.9	88.8	89.0	89.8	89.8	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
0.2	66.0	87.2	89.3	89.6	90.4	90.4	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
0.1	66.0	87.2	89.6	90.1	91.2	91.2	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
0.05	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.02	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.01	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.005	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.002	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.001	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.0005	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.0002	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.0001	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.00005	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.00002	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.00001	66.0	87.2	89.6	90.1	91.2	91.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS

374

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/WAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

R-70,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	45.6	52.0	52.0	52.1	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.5	52.5	53.0	53.5
≥ 20000	48.0	55.1	55.4	55.4	55.4	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.9	55.9	56.4	56.9
≥ 18000	50.3	57.4	57.6	57.7	57.7	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.7	59.2
≥ 16000	52.6	59.9	60.0	60.2	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.9	60.9	61.4	61.8
≥ 14000	53.3	60.9	61.0	61.2	61.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.8	61.8	62.3	62.8
≥ 12000	54.3	61.8	62.0	62.3	62.5	62.7	62.7	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.5	64.0
≥ 10000	54.6	62.2	62.3	62.7	62.8	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.8	64.3
≥ 9000	55.1	62.7	62.8	63.2	63.3	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.8	63.8	64.3	64.8
≥ 8000	55.8	63.5	63.7	64.0	64.1	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.6	64.6	65.1	65.6
≥ 7000	56.1	64.1	64.3	64.8	65.1	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.6	65.6	66.1	66.6
≥ 6000	56.7	65.3	65.5	66.0	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.8	66.8	67.3	67.8
≥ 5000	57.4	66.3	66.4	66.9	67.3	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.8	67.8	68.3	68.8
≥ 4500	58.6	67.8	67.9	68.4	68.8	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.7	70.2
≥ 4000	60.0	70.2	70.4	70.9	71.2	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.7	71.7	72.2	72.7
≥ 3500	61.3	72.7	72.9	73.4	73.8	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.7	74.7	75.2	75.7
≥ 3000	63.2	75.5	75.7	76.2	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.6	77.6	78.1	78.6
≥ 2500	65.3	78.6	78.9	79.4	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.9	80.9	81.4	81.9
≥ 2000	66.8	82.1	82.4	83.1	83.7	83.9	83.9	84.0	84.0	84.0	84.2	84.2	84.7	84.7	85.2	85.7
≥ 1800	66.9	82.7	83.2	83.9	84.5	84.7	84.7	84.9	84.9	85.0	85.0	85.0	85.5	85.5	86.0	86.5
≥ 1500	67.4	83.9	84.5	85.2	86.2	86.3	86.3	86.5	86.5	86.5	86.7	86.7	87.2	87.2	87.7	88.2
≥ 1200	67.8	84.5	85.2	85.9	87.2	87.3	87.5	87.7	87.7	87.8	87.8	87.8	88.3	88.3	88.8	89.3
≥ 1000	67.8	85.4	86.2	86.8	88.3	88.5	88.7	88.8	88.8	89.0	89.0	89.0	89.5	89.5	90.0	90.5
≥ 900	67.8	85.5	86.3	87.0	88.7	88.8	89.1	89.3	89.3	89.5	89.5	89.5	90.0	90.0	90.5	91.0
≥ 800	67.8	86.2	87.0	87.8	89.5	89.6	90.0	90.1	90.1	90.3	90.3	90.3	90.8	90.8	91.3	91.8
≥ 700	67.8	86.8	87.7	89.0	90.6	90.8	91.4	91.6	91.6	91.8	91.8	91.8	92.3	92.3	92.8	93.3
≥ 600	67.8	87.0	87.8	89.1	91.0	91.1	91.8	92.1	92.1	92.3	92.3	92.3	92.8	92.8	93.3	93.8
≥ 500	67.8	87.0	87.8	89.1	91.3	91.4	92.3	92.8	92.9	93.1	93.1	93.1	93.6	93.6	94.1	94.6
≥ 400	67.8	87.0	87.8	89.3	91.4	91.6	92.6	93.1	93.3	93.4	93.4	93.4	93.9	93.9	94.4	94.9
≥ 300	67.8	87.0	87.8	89.3	91.4	91.6	92.8	93.4	93.6	93.8	93.8	93.9	94.4	94.4	94.9	95.4
≥ 200	67.8	87.0	87.8	89.5	91.8	91.9	93.3	94.1	94.2	94.6	94.6	94.9	95.4	95.4	96.7	98.2
≥ 100	67.8	87.0	87.8	89.5	91.8	91.9	93.3	94.1	94.2	94.6	94.7	95.1	95.6	95.7	97.4	99.8
≥ 0	67.8	87.0	87.8	89.5	91.8	91.9	93.3	94.1	94.2	94.6	94.7	95.1	95.6	95.7	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS

608

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

68-70, 73-79

444

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	0
NO CEILING	49.0	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	53.1	53.1	53.4
≥ 20000	55.3	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.8	59.9	60.1	60.3
≥ 18000	57.1	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.7	61.7	62.0
IV 16000	58.9	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.6	63.7	63.7	64.1
IV 14000	60.3	64.8	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.5	65.5	65.9
IV 12000	61.5	66.0	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.1	67.1	67.5
IV 10000	62.3	66.9	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	68.0	68.0	68.4
IV 9000	63.0	67.5	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.5	68.6	68.6	68.9
IV 8000	63.2	67.8	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.9	68.9	69.3
IV 7000	64.8	68.9	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	70.0	70.0	70.4
≥ 6000	64.8	70.4	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.4	71.5	71.5	71.9
IV 5000	65.3	71.3	71.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.4	72.4	72.7
≥ 4500	65.9	72.4	72.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.5	73.5	73.8
IV 4000	67.4	74.3	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.4	75.4	75.8
≥ 3500	68.0	75.4	75.6	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.7	76.8	76.8	77.1
IV 3000	69.9	77.8	77.9	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.2	79.2	79.6
≥ 2500	72.5	81.1	81.3	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.8	82.8	83.1
IV 2000	74.8	85.1	85.5	86.3	86.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8	87.0	87.2	87.2	87.5
≥ 1800	75.2	86.4	86.8	87.7	87.9	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.5	88.6	88.6	89.0
≥ 1500	75.9	88.3	88.8	89.6	90.0	90.3	90.5	90.7	90.7	90.7	90.7	90.7	91.0	91.1	91.1	91.4
≥ 1200	76.3	89.2	90.0	90.8	91.2	91.7	91.8	92.1	92.1	92.1	92.1	92.1	92.3	92.4	92.4	92.8
IV 1000	76.4	89.6	90.3	91.2	91.7	92.2	92.3	92.5	92.7	92.7	92.7	92.7	92.9	93.0	93.0	93.4
≥ 900	76.7	90.0	90.8	91.7	92.2	92.7	92.8	93.0	93.2	93.2	93.2	93.2	93.4	93.5	93.5	93.9
≥ 800	76.8	90.1	91.1	91.9	92.4	92.9	93.0	93.3	93.4	93.4	93.4	93.4	93.6	93.8	93.8	94.1
≥ 700	76.8	90.5	91.6	92.5	93.0	93.5	93.6	93.9	94.0	94.0	94.0	94.0	94.3	94.4	94.4	94.7
IV 600	76.8	90.8	91.9	92.9	93.5	94.0	94.1	94.4	94.5	94.6	94.6	94.6	94.9	95.0	95.0	95.4
≥ 500	76.9	91.0	92.4	93.5	94.5	95.0	95.1	95.5	95.6	95.7	95.7	95.7	96.0	96.1	96.1	96.5
IV 400	76.9	91.0	92.5	93.6	94.6	95.1	95.4	95.8	96.0	96.3	96.3	96.3	96.6	96.7	96.7	97.1
≥ 300	76.9	91.0	92.5	93.8	94.7	95.2	95.5	96.0	96.1	96.5	96.5	96.5	96.8	96.9	96.9	97.4
IV 200	76.9	91.0	92.5	93.8	94.7	95.2	95.6	96.1	96.2	96.7	96.8	96.8	97.2	97.3	97.3	97.9
≥ 100	76.9	91.0	92.5	93.8	94.7	95.2	95.6	96.1	96.2	96.7	96.8	96.8	97.3	97.4	97.4	98.3
≥ 0	76.9	91.0	92.5	93.8	94.7	95.2	95.6	96.1	96.2	96.7	96.8	96.8	97.3	97.4	97.4	98.3

TOTAL NUMBER OF OBSERVATIONS

818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

68-70, 73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .1	≥ 5/16	≥ .1	≥ 0
NO CEILING	52.7	56.2	56.4	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	57.7	61.9	62.0	62.0	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	58.9	63.1	63.2	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	60.4	64.5	64.7	64.7	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	61.9	66.6	66.7	66.7	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	63.2	68.1	68.2	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	64.2	69.2	69.3	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	64.5	69.7	69.8	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 8000	65.0	70.2	70.3	70.4	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	66.0	71.6	71.9	72.1	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	66.6	72.7	73.0	73.3	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000	67.1	73.8	74.1	74.4	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	67.7	74.6	74.8	75.2	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	68.5	76.4	76.8	77.1	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	69.2	77.4	77.8	78.1	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	70.7	79.1	79.5	79.8	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	71.8	80.9	81.3	81.7	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	73.7	83.4	83.7	84.2	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	75.1	85.0	85.3	85.8	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1500	76.0	86.6	87.2	87.8	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 1200	76.5	87.9	88.5	89.5	90.3	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.6
≥ 1000	77.0	88.6	89.5	90.5	91.3	91.8	92.3	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.7
≥ 900	77.3	89.4	90.2	91.3	92.2	92.7	93.3	93.3	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.6
≥ 800	78.0	90.7	91.6	92.8	93.8	94.4	95.0	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.4
≥ 700	78.0	91.0	91.8	93.0	94.0	94.6	95.2	95.2	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.6
≥ 600	78.1	91.4	92.3	93.5	94.6	95.2	95.8	95.8	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.2
≥ 500	78.1	91.7	92.7	94.1	95.4	96.0	96.6	96.7	96.7	96.8	96.9	97.1	97.2	97.2	97.2	97.3
≥ 400	78.1	91.7	92.9	94.5	95.7	96.3	96.9	97.1	97.1	97.3	97.6	97.7	97.9	97.9	97.9	98.0
≥ 300	78.1	91.7	92.9	94.5	95.8	96.5	97.1	97.3	97.4	97.8	98.2	98.3	98.5	98.5	98.7	98.8
≥ 200	78.1	91.7	92.9	94.5	95.8	96.5	97.1	97.3	97.4	98.0	98.4	98.5	98.8	99.1	99.4	99.6
≥ 100	78.1	91.7	92.9	94.5	95.8	96.5	97.1	97.3	97.4	98.0	98.4	98.5	98.8	99.3	99.5	100.0
≥ 0	78.1	91.7	92.9	94.5	95.8	96.5	97.1	97.3	97.4	98.0	98.4	98.5	98.8	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

818

USAF ETAC

1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

68-70-73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO. CEILING	52.8	56.9	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
20000	57.7	61.4	62.2	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2 18000	59.1	63.3	63.6	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2 16000	60.0	64.4	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2 14000	61.4	66.1	66.5	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
2 12000	62.2	67.7	68.1	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2 10000	63.3	68.7	69.2	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
2 9000	63.6	69.4	69.9	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
2 8000	64.5	70.4	70.9	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2 7000	65.5	71.9	72.5	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2 6000	66.7	73.2	73.8	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2 5000	67.7	74.8	75.4	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
2 4500	68.4	75.6	76.2	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2 4000	68.7	76.4	77.3	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2 3500	69.3	77.0	77.9	78.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
2 3000	70.5	78.5	79.4	80.1	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2 2500	71.9	80.7	81.7	82.6	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
2 2000	73.1	82.9	84.2	85.0	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2 1800	74.1	84.4	85.6	86.5	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2 1500	74.8	86.0	87.3	88.2	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
2 1200	75.4	87.5	88.8	89.7	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2 1000	75.6	88.2	89.6	90.4	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2 900	76.2	89.1	90.7	91.5	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
2 800	76.7	89.6	91.4	92.3	92.9	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2 700	76.7	89.6	91.6	92.5	93.1	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 600	76.7	89.8	92.1	93.0	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2 500	76.7	90.3	92.8	93.7	94.7	94.8	95.2	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
2 400	76.8	90.5	93.0	94.0	95.2	95.5	95.8	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4
2 300	76.8	90.5	93.0	94.1	95.3	95.6	95.9	96.3	96.3	96.8	97.2	97.3	97.5	97.5	97.7	97.8
2 200	76.8	90.5	93.0	94.1	95.3	95.6	95.9	96.4	96.4	97.1	97.4	97.5	98.0	98.0	98.4	99.3
2 100	76.8	90.5	93.0	94.1	95.3	95.6	95.9	96.4	96.4	97.1	97.4	97.5	98.2	98.2	98.5	99.9
2 000	76.8	90.5	93.0	94.1	95.3	95.6	95.9	96.4	96.4	97.1	97.4	97.5	98.2	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

814

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

68-70, 73-75, 79
YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .4	≥ .2	≥ .16	≥ .1
NO CEILING	46.3	55.7	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3	56.3
≥ 20000	48.0	59.1	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥ 18000	48.2	59.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8
≥ 16000	49.1	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.1	61.1
≥ 14000	49.3	60.9	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.6
≥ 12000	49.5	61.3	61.4	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0
≥ 10000	50.4	62.7	62.9	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.4	63.4
≥ 9000	50.9	63.6	63.8	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3
≥ 8000	51.6	65.2	65.4	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9
≥ 7000	51.8	65.7	65.9	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 6000	53.0	67.5	67.7	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2
≥ 5000	53.9	68.6	68.8	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.3	69.3
≥ 4500	55.0	69.8	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5
≥ 4000	56.8	71.6	72.3	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9
≥ 3500	57.0	71.8	72.5	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0
≥ 3000	58.2	73.6	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8
≥ 2500	59.1	76.1	76.8	77.1	77.1	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7
≥ 2000	59.8	78.6	79.5	79.8	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5
≥ 1800	60.0	79.5	80.4	80.7	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 1500	60.0	80.7	81.1	81.4	81.6	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1
≥ 1200	60.4	81.8	82.7	83.2	83.8	83.8	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.5	84.5
≥ 1000	60.4	82.5	83.4	83.9	84.5	84.5	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.2	85.2
≥ 900	60.4	83.2	84.1	84.6	85.2	85.2	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.9	85.9
≥ 800	60.5	83.8	84.6	85.2	85.7	85.7	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.4	86.4
≥ 700	60.7	84.5	85.4	85.9	86.4	86.4	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.1	87.1
≥ 600	60.9	84.8	85.9	86.4	87.0	87.0	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.7	87.7
≥ 500	61.1	85.2	86.4	87.0	87.5	87.5	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.2	88.2
≥ 400	61.1	85.5	86.8	87.7	88.2	88.4	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.3	89.3
≥ 300	61.1	85.5	86.8	87.7	88.4	88.6	89.5	89.5	89.5	89.6	90.0	90.0	90.0	90.0	90.5	90.7
≥ 200	61.1	85.5	86.8	87.7	88.6	88.8	90.2	90.4	90.5	90.5	91.1	91.6	92.0	92.5	92.7	94.1
≥ 100	61.1	85.5	86.8	87.7	88.8	88.9	90.4	90.5	90.7	91.4	92.1	92.5	93.6	93.8	96.1	99.5
≥ 0	61.1	85.5	86.8	87.7	88.8	88.9	90.4	90.5	90.7	91.4	92.1	92.5	93.6	93.8	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS

560

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70, 73-75

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING	47.4	59.2	59.4	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	49.6	62.2	62.4	62.6	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	49.6	62.2	62.4	62.6	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	50.8	63.5	63.7	63.9	64.3	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	50.9	63.7	63.9	64.1	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	51.5	64.7	64.8	65.0	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000	52.3	65.6	65.8	66.0	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000	52.4	65.8	66.0	66.2	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	53.0	66.9	67.1	67.3	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	53.2	67.1	67.3	67.5	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000	53.9	68.2	68.6	69.0	69.4	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000	55.5	70.5	70.9	71.2	71.6	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	56.6	71.8	72.2	72.6	73.1	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	57.3	73.1	73.5	74.2	74.8	75.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	57.5	74.8	75.8	76.1	76.7	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	58.3	75.8	76.7	77.1	77.6	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	59.4	76.9	77.8	78.2	78.8	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	59.8	78.2	79.3	79.9	80.5	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	59.8	78.6	79.7	80.3	80.8	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	60.2	79.5	80.8	81.8	82.3	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1200	60.2	80.6	82.0	83.1	83.8	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	60.3	82.1	83.5	84.6	85.3	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	60.3	82.1	83.5	84.8	85.5	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 800	60.5	82.7	84.0	85.3	86.1	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	60.5	83.3	84.6	86.1	86.8	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 600	60.7	83.8	85.2	86.7	87.4	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500	60.9	84.2	85.5	87.4	88.2	88.5	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 400	60.9	85.0	86.3	88.5	89.5	89.8	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 300	60.9	85.2	86.5	88.7	89.8	90.2	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 200	60.9	85.2	86.5	88.9	90.4	90.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 100	60.9	85.2	86.5	88.9	90.4	90.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 0	60.9	85.2	86.5	88.9	90.4	90.8	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS

532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

68-70, 73-79

JA, 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .1	≥ 5/16	≥ .1	≥ 0
NO CEILING	48.9	55.3	55.5	55.6	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.2	56.4
≥ 20000	52.9	59.9	60.1	60.3	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.8	60.9	60.9	61.1
≥ 18000	54.1	61.2	61.4	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.2	62.4
≥ 16000	55.6	62.8	63.1	63.3	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.9	64.0	64.1
≥ 14000	56.6	64.2	64.4	64.6	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.3	65.3	65.5
≥ 12000	57.5	65.3	65.5	65.8	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.5	66.6	66.7
≥ 10000	58.2	66.1	66.4	66.7	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.4	67.4	67.6
≥ 9000	58.6	66.6	66.9	67.2	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	68.1
≥ 8000	59.3	67.5	67.8	68.2	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.8	68.9	69.1
≥ 7000	59.8	68.5	68.8	69.2	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.9	70.0	70.2
≥ 6000	60.8	69.8	70.1	70.6	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.3	71.4	71.5
≥ 5000	61.4	70.9	71.3	71.7	72.0	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.5	72.5	72.7
≥ 4500	62.3	71.9	72.3	72.8	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.5	73.6	73.8
≥ 4000	63.4	73.9	74.4	74.9	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.7	75.8	75.9
≥ 3500	64.3	75.3	75.9	76.4	76.8	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.3	77.3	77.5
≥ 3000	65.7	77.2	77.8	78.4	78.8	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.4	79.4	79.6
≥ 2500	67.2	79.6	80.2	80.8	81.3	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.9	82.0	82.1
≥ 2000	68.4	82.0	82.7	83.4	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.6	84.6	84.8
≥ 1800	68.9	83.0	83.8	84.4	84.9	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.5	85.6	85.7	85.9
≥ 1500	69.5	84.4	85.3	86.0	86.6	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.3	87.4	87.5	87.7
≥ 1200	69.9	85.5	86.5	87.4	88.1	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.9	89.1	89.2	89.3
≥ 1000	70.0	86.3	87.4	88.3	89.0	89.2	89.5	89.7	89.7	89.7	89.8	89.8	89.9	90.1	90.1	90.3
≥ 900	70.2	86.8	88.0	89.0	89.7	90.0	90.3	90.5	90.5	90.5	90.5	90.6	90.7	90.8	90.9	91.1
≥ 800	70.4	87.4	88.6	89.6	90.4	90.7	91.1	91.2	91.2	91.2	91.3	91.3	91.4	91.6	91.6	91.8
≥ 700	70.5	87.7	89.1	90.3	91.1	91.3	91.8	91.9	92.0	92.0	92.0	92.1	92.1	92.3	92.4	92.5
≥ 600	70.5	88.1	89.6	90.7	91.6	91.9	92.3	92.5	92.5	92.5	92.6	92.6	92.7	92.9	92.9	93.1
≥ 500	70.6	88.3	89.9	91.2	92.2	92.5	93.0	93.3	93.3	93.3	93.4	93.5	93.6	93.8	93.8	94.0
≥ 400	70.6	88.7	90.4	91.8	93.0	93.3	93.8	94.2	94.2	94.2	94.4	94.6	94.7	94.9	95.0	95.2
≥ 300	70.6	88.8	90.4	91.9	93.2	93.5	94.1	94.5	94.6	94.6	94.9	95.1	95.3	95.5	95.6	95.9
≥ 200	70.6	88.8	90.4	92.0	93.3	93.6	94.4	94.8	94.9	95.4	95.7	95.9	96.3	96.5	96.5	97.3
≥ 100	70.6	88.8	90.4	92.0	93.3	93.6	94.4	94.9	95.0	95.4	95.8	96.1	96.5	96.8	97.8	99.8
≥ 0	70.6	88.8	90.4	92.0	93.3	93.6	94.4	94.9	95.0	95.4	95.8	96.1	96.5	96.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

4896

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70.73

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	34.8	46.6	46.9	47.5	47.8	48.1	48.4	48.4	48.4	48.7	48.7	49.0	49.0	49.9	50.1	50.4
≥ 20000	36.3	48.4	48.7	49.3	49.6	49.9	50.1	50.1	50.1	50.4	50.4	50.7	50.7	51.6	51.9	52.4
≥ 18000	36.9	49.0	49.3	49.9	50.1	50.4	50.7	50.7	50.7	51.0	51.0	51.3	51.3	52.2	52.5	52.8
≥ 16000	37.8	50.1	50.4	51.0	51.3	51.6	51.9	51.9	51.9	52.2	52.2	52.5	52.5	53.4	53.7	54.0
≥ 14000	39.5	51.9	52.2	52.8	53.1	53.4	53.7	53.7	53.7	54.0	54.0	54.3	54.3	55.2	55.5	55.8
≥ 12000	40.7	53.1	53.4	54.0	54.3	54.6	54.9	54.9	54.9	55.2	55.2	55.5	55.5	56.3	56.6	56.9
≥ 10000	42.5	55.8	56.0	56.6	56.9	57.2	57.5	57.5	57.5	57.8	57.8	58.1	58.1	59.0	59.3	59.6
≥ 9000	43.4	56.6	56.9	57.5	57.8	58.1	58.4	58.4	58.4	58.7	58.7	59.0	59.0	59.9	60.2	60.5
≥ 8000	44.8	58.4	58.7	59.3	59.6	59.9	60.2	60.2	60.2	60.5	60.5	60.8	60.8	61.7	61.9	62.2
≥ 7000	45.1	58.7	59.0	59.6	59.9	60.2	60.5	60.5	60.5	60.8	60.8	61.1	61.1	61.9	62.2	62.5
≥ 6000	48.1	62.8	63.1	63.7	64.0	64.3	64.6	64.6	64.6	64.9	64.9	65.2	65.2	66.1	66.4	66.7
≥ 5000	49.3	65.5	65.8	66.4	66.7	67.0	67.3	67.3	67.3	67.6	67.6	67.8	67.8	68.7	69.0	69.3
≥ 4500	49.9	66.7	67.3	67.8	68.1	68.4	68.7	68.7	68.7	69.0	69.0	69.3	69.3	70.2	70.5	70.8
≥ 4000	51.0	68.1	68.7	69.3	69.6	69.9	70.2	70.2	70.2	70.5	70.5	70.8	70.8	71.7	72.0	72.3
≥ 3500	52.2	69.3	69.9	70.5	70.8	71.1	71.4	71.4	71.4	71.7	71.7	72.0	72.0	72.9	73.2	73.5
≥ 3000	52.8	70.8	71.7	72.3	72.6	72.9	73.2	73.2	73.2	73.5	73.5	73.7	73.7	74.6	74.9	75.2
≥ 2500	53.7	73.5	74.3	74.9	75.2	75.5	75.8	75.8	75.8	76.1	76.1	76.4	76.4	77.6	77.9	78.2
≥ 2000	56.3	78.5	79.4	79.9	80.2	80.5	80.8	80.8	80.8	81.1	81.1	81.4	81.4	82.6	82.9	83.2
≥ 1800	56.6	80.8	81.7	82.3	82.6	82.9	83.2	83.2	83.2	83.5	83.5	83.8	83.8	84.1	85.0	85.3
≥ 1500	57.2	83.8	84.7	85.3	85.5	85.8	86.1	86.1	86.1	86.4	86.4	86.7	86.7	87.0	87.9	88.2
≥ 1200	57.5	85.5	86.4	87.3	87.6	87.9	88.2	88.2	88.2	88.5	88.5	88.8	88.8	89.1	90.0	90.3
≥ 1000	57.5	86.4	87.3	88.2	89.1	89.4	89.7	89.7	89.7	90.0	90.0	90.3	90.3	90.6	91.4	91.7
≥ 900	57.5	86.4	87.3	88.2	89.1	89.4	89.7	89.7	89.7	90.0	90.0	90.3	90.3	90.6	91.4	91.7
≥ 800	57.5	86.4	87.3	88.2	89.1	89.4	89.7	89.7	89.7	90.0	90.0	90.3	90.3	90.6	91.4	91.7
≥ 700	57.5	86.7	87.9	88.8	89.7	90.0	90.3	90.3	90.3	90.6	90.6	90.9	90.9	91.2	92.0	92.3
≥ 600	57.5	87.3	88.5	89.4	90.3	90.6	90.9	90.9	90.9	91.2	91.2	91.4	91.4	91.7	92.6	92.9
≥ 500	57.5	87.9	89.1	90.0	91.2	91.4	91.7	91.7	91.7	92.0	92.0	92.3	92.3	92.6	93.5	93.8
≥ 400	57.5	88.2	89.7	90.9	92.3	92.6	92.9	93.2	93.2	93.5	93.5	93.8	93.8	94.1	95.0	95.3
≥ 300	57.5	88.2	89.7	90.9	92.3	92.6	92.9	93.5	93.5	93.8	93.8	94.1	94.1	94.4	95.3	95.6
≥ 200	57.5	88.2	89.7	90.9	92.3	92.6	92.9	93.5	93.5	94.4	94.4	94.7	94.7	95.3	96.2	96.5
≥ 100	57.5	88.2	89.7	90.9	92.3	92.6	92.9	93.5	93.5	94.4	94.4	94.7	94.7	95.3	96.5	97.3
≥ 0	57.5	88.2	89.7	90.9	92.3	92.6	92.9	93.5	93.5	94.4	94.4	94.7	94.7	95.3	96.5	97.3

TOTAL NUMBER OF OBSERVATIONS

339

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

1973

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	35.1	45.1	45.1	45.7	46.3	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.9	48.1	50.1
≥ 20000	37.8	47.8	47.8	48.4	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.6	50.7	52.8
≥ 18000	38.6	48.6	49.0	49.6	50.1	50.1	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.7	51.9	54.0
≥ 16000	38.6	49.9	49.9	50.4	51.0	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.6	52.8	54.9
≥ 14000	39.5	51.0	51.0	51.6	52.2	52.2	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.8	54.0	56.0
≥ 12000	40.7	52.5	52.5	53.1	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.3	55.5	57.5
≥ 10000	42.5	54.9	54.9	55.5	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.6	57.8	59.9
≥ 9000	42.8	55.2	55.2	55.8	56.3	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.9	58.1	60.2
≥ 8000	43.1	55.5	55.5	56.0	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	57.2	58.4	60.5
≥ 7000	44.8	57.2	57.2	57.8	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	59.0	60.2	62.2
≥ 6000	46.6	61.4	61.4	61.9	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	63.1	64.3	66.4
≥ 5000	49.0	65.5	65.5	66.1	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.3	68.5	70.5
≥ 4500	49.0	66.7	66.7	67.3	67.8	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.4	69.6	71.7
≥ 4000	51.0	69.0	69.0	69.6	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.8	72.0	74.0
≥ 3500	51.3	70.2	70.2	70.8	71.4	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	72.0	73.2	75.2
≥ 3000	52.5	72.0	72.3	72.9	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	74.0	75.2	77.2
≥ 2500	53.7	74.0	74.3	74.9	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	76.1	77.3	79.4
≥ 2000	55.2	77.3	77.6	78.2	78.8	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.4	80.6	82.6
≥ 1800	55.5	79.1	79.6	80.2	80.8	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.4	82.6	84.7
≥ 1500	56.6	82.9	83.5	84.1	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.3	86.5	88.5
≥ 1200	56.9	84.4	84.4	85.0	85.5	85.5	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.4	87.6	89.7
≥ 1000	58.1	85.8	86.4	87.3	87.9	87.9	87.9	88.5	88.8	88.8	88.8	88.8	88.8	89.1	90.3	92.3
≥ 900	58.4	86.4	87.0	87.9	88.5	88.5	88.5	89.1	89.4	89.4	89.4	89.4	89.4	89.7	90.9	92.9
≥ 800	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 700	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 600	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 500	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 400	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 300	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 200	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 100	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2
≥ 0	58.4	86.7	87.3	88.2	88.8	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	90.0	91.2	93.2

TOTAL NUMBER OF OBSERVATIONS

339

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70, 73-79

554

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	46.2	51.1	51.6	52.2	52.7	52.7	52.9	52.9	52.9	53.2	53.6	53.6	53.9	54.3	54.9	55.2
≥ 20000	48.0	53.8	54.3	54.8	55.4	55.4	55.7	55.7	55.7	56.1	56.5	56.5	56.8	57.2	57.3	58.2
≥ 18000	48.2	53.9	54.5	55.0	55.6	55.6	55.9	55.9	55.9	56.3	56.6	56.6	57.0	57.3	57.5	58.4
≥ 16000	48.7	55.2	55.7	56.3	56.8	56.8	57.2	57.2	57.2	57.5	57.9	57.9	58.2	58.6	58.8	59.7
≥ 14000	50.5	57.3	57.9	58.4	59.0	59.0	59.3	59.3	59.3	59.7	60.0	60.0	60.4	60.8	61.1	62.0
≥ 12000	51.3	58.2	58.8	59.3	59.9	59.9	60.2	60.2	60.2	60.6	60.9	60.9	61.3	61.6	62.0	62.9
≥ 10000	52.5	59.5	60.0	60.6	61.3	61.3	61.6	61.6	61.6	62.0	62.4	62.4	62.7	63.1	63.4	64.4
≥ 9000	53.6	60.9	61.5	62.0	62.7	62.7	63.1	63.1	63.1	63.4	63.8	63.8	64.2	64.5	64.9	65.9
≥ 8000	54.5	62.0	62.5	63.1	63.8	63.8	64.2	64.2	64.2	64.5	64.9	64.9	65.2	65.6	65.9	67.0
≥ 7000	56.1	63.6	64.2	64.9	65.6	65.6	65.9	66.1	66.1	66.5	66.8	66.8	67.2	67.6	67.9	69.0
≥ 6000	57.0	65.1	65.8	66.7	67.4	67.4	67.7	67.9	67.9	68.3	68.6	68.6	69.0	69.4	69.7	70.8
≥ 5000	57.9	66.3	67.4	68.3	69.0	69.0	69.4	69.5	69.5	69.9	70.3	70.3	70.6	71.0	71.3	72.4
≥ 4500	58.4	67.2	68.3	69.2	69.9	69.9	70.3	70.4	70.4	70.8	71.1	71.1	71.5	71.9	72.2	73.3
≥ 4000	60.4	69.5	70.6	71.5	72.2	72.2	72.6	72.8	72.8	73.1	73.5	73.5	73.8	74.2	74.6	75.6
≥ 3500	61.3	71.0	72.0	72.9	73.7	73.7	74.0	74.2	74.2	74.6	74.9	74.9	75.3	75.6	76.0	77.1
≥ 3000	61.6	72.0	73.1	74.0	74.7	74.7	75.1	75.3	75.3	75.6	76.0	76.0	76.3	76.7	77.1	78.1
≥ 2500	62.5	74.4	75.4	76.3	77.1	77.1	77.4	77.6	77.6	78.0	78.3	78.3	78.7	79.0	79.4	80.5
≥ 2000	63.6	76.9	78.0	79.0	79.7	79.7	80.1	80.3	80.3	80.6	81.0	81.0	81.4	81.7	82.1	83.2
≥ 1800	64.5	78.9	80.1	81.2	81.9	81.9	82.4	82.6	82.6	83.0	83.3	83.3	83.7	84.1	84.4	85.5
≥ 1500	65.4	80.8	82.1	83.2	83.9	83.9	84.4	84.6	84.6	84.9	85.3	85.3	85.7	86.0	86.4	87.5
≥ 1200	65.4	81.9	83.2	84.6	85.5	85.8	86.6	86.7	86.7	87.1	87.5	87.5	87.8	88.2	88.5	89.6
≥ 1000	65.8	82.6	84.1	85.5	86.7	87.3	88.2	88.4	88.4	88.7	89.1	89.1	89.4	89.8	90.1	91.2
≥ 900	65.9	83.2	84.6	86.0	87.3	88.0	89.1	89.2	89.2	89.6	90.0	90.0	90.3	90.7	91.0	92.1
≥ 800	66.1	83.3	85.1	86.6	88.0	88.5	89.6	89.8	89.8	90.1	90.5	90.5	90.9	91.2	91.6	92.7
≥ 700	66.3	83.5	85.3	86.9	88.5	89.1	90.1	90.3	90.3	90.7	91.0	91.0	91.4	91.8	92.1	93.2
≥ 600	66.5	83.9	85.8	87.5	89.1	89.6	90.9	91.2	91.2	91.6	91.9	91.9	92.3	92.7	93.0	94.1
≥ 500	66.5	83.9	85.8	87.8	89.4	90.0	91.2	91.6	91.6	91.9	92.3	92.3	92.7	93.0	93.4	94.4
≥ 400	66.5	84.1	86.0	88.0	89.8	90.3	91.6	91.9	91.9	92.3	92.7	92.7	93.0	93.4	93.7	94.8
≥ 300	66.5	84.2	86.2	88.4	90.1	90.7	92.1	92.5	92.5	93.0	93.4	93.4	93.9	94.3	94.6	95.9
≥ 200	66.5	84.2	86.2	88.4	90.3	90.9	92.3	92.7	92.7	93.4	93.9	93.9	94.6	95.0	95.3	97.7
≥ 100	66.5	84.2	86.2	88.4	90.3	90.9	92.3	92.7	92.7	93.4	93.9	93.9	94.6	95.0	95.5	99.5
≥ 0	66.5	84.2	86.2	88.4	90.3	90.9	92.3	92.7	92.7	93.4	93.9	93.9	94.6	95.0	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS

558

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70, 73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	51.9	56.2	56.7	57.3	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	58.0	58.0	58.0	58.0
≥ 20000	54.8	59.6	60.2	60.7	61.0	61.0	61.3	61.4	61.4	61.4	61.6	61.6	61.7	61.7	61.7	61.9
≥ 18000	55.1	59.9	60.5	61.0	61.3	61.4	61.7	61.9	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.3
≥ 16000	55.8	60.6	61.2	61.7	62.1	62.4	62.7	62.8	62.8	62.8	63.0	63.0	63.1	63.1	63.1	63.2
≥ 14000	57.1	62.4	63.0	63.5	63.9	64.2	64.5	64.6	64.6	64.6	64.8	64.8	64.9	64.9	64.9	65.0
≥ 12000	58.1	63.5	64.1	64.6	65.0	65.3	65.6	65.7	65.7	65.7	65.9	65.9	66.0	66.0	66.0	66.2
≥ 10000	60.6	66.0	66.6	67.1	67.5	67.8	68.1	68.2	68.2	68.2	68.4	68.4	68.5	68.5	68.5	68.7
≥ 9000	61.0	66.4	67.0	67.5	68.0	68.2	68.5	68.7	68.7	68.7	68.8	68.8	68.9	68.9	68.9	69.1
≥ 8000	61.7	67.1	67.8	68.4	68.9	69.5	69.8	69.9	69.9	69.9	70.0	70.0	70.2	70.2	70.2	70.4
≥ 7000	63.1	68.7	69.3	70.0	70.6	71.2	71.4	71.6	71.6	71.6	71.7	71.7	71.8	71.8	71.8	72.0
≥ 6000	64.2	69.9	70.6	71.3	71.8	72.4	72.7	72.8	72.8	72.8	73.0	73.0	73.1	73.1	73.1	73.2
≥ 5000	65.0	71.0	71.7	72.4	73.0	73.5	73.8	73.9	73.9	73.9	74.1	74.1	74.2	74.2	74.2	74.3
≥ 4500	65.6	72.0	72.7	73.4	73.9	74.5	74.8	74.9	74.9	74.9	75.0	75.0	75.2	75.2	75.2	75.3
≥ 4000	66.9	73.6	74.3	75.2	75.7	76.3	76.6	76.7	76.7	76.7	76.8	76.8	77.0	77.0	77.0	77.1
≥ 3500	67.7	74.6	75.3	76.1	76.7	77.3	77.5	77.7	77.7	77.7	77.8	77.8	77.9	77.9	77.9	78.1
≥ 3000	68.5	76.0	76.8	77.7	78.2	78.8	79.1	79.2	79.2	79.2	79.3	79.3	79.5	79.5	79.5	79.6
≥ 2500	70.3	78.5	79.3	80.3	80.9	81.4	81.7	81.8	81.8	81.8	82.0	82.0	82.1	82.1	82.1	82.2
≥ 2000	73.1	82.5	83.5	84.5	85.0	85.6	85.9	86.1	86.1	86.1	86.3	86.3	86.4	86.4	86.4	86.5
≥ 1800	74.1	84.7	85.7	86.7	87.2	87.8	88.1	88.3	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.8
≥ 1500	75.0	86.7	87.9	89.3	89.9	90.6	91.0	91.3	91.3	91.3	91.4	91.4	91.5	91.5	91.5	91.7
≥ 1200	75.3	87.9	89.3	91.0	91.7	92.5	93.1	93.3	93.3	93.3	93.5	93.5	93.6	93.6	93.6	93.8
≥ 1000	75.3	88.3	90.3	92.1	92.8	93.6	94.2	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	95.0
≥ 900	75.6	88.8	90.8	92.8	93.6	94.5	95.1	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	96.0
≥ 800	75.6	88.9	91.0	93.1	93.9	94.7	95.4	95.8	95.8	95.8	96.0	96.0	96.1	96.1	96.1	96.3
≥ 700	75.6	89.0	91.3	93.6	94.5	95.3	96.0	96.4	96.4	96.4	96.5	96.5	96.7	96.7	96.7	96.8
≥ 600	75.6	89.2	91.4	94.0	94.9	95.7	96.5	96.9	96.9	96.9	97.1	97.1	97.2	97.2	97.2	97.4
≥ 500	75.6	89.3	91.5	94.3	95.3	96.1	96.9	97.5	97.5	97.5	97.6	97.6	97.8	97.8	97.8	97.9
≥ 400	75.6	89.6	92.1	95.1	96.1	96.9	97.8	98.3	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.8
≥ 300	75.6	89.6	92.1	95.6	96.5	97.4	98.2	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.4
≥ 200	75.6	89.6	92.1	95.6	96.5	97.4	98.2	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.4	99.7
≥ 100	75.6	89.6	92.1	95.6	96.5	97.4	98.2	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.4	100.0
≥ 0	75.6	89.6	92.1	95.6	96.5	97.4	98.2	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

721

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

8-70-73-79

ft

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.4	60.1	60.8	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	58.4	64.7	65.4	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	59.4	65.6	66.4	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	59.8	66.2	67.0	67.4	67.5	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	61.7	68.8	69.8	70.2	70.3	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	62.6	69.8	70.7	71.1	71.3	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 10000	64.4	71.5	72.5	72.9	73.1	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	65.1	72.2	73.2	73.6	73.8	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	66.2	73.3	74.3	74.7	75.0	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	67.3	74.6	75.6	76.0	76.2	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	68.6	76.0	76.9	77.3	77.8	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	69.5	76.8	77.8	78.2	78.6	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	70.2	77.5	78.5	78.9	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	71.4	78.9	79.8	80.4	80.8	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	72.2	79.7	80.7	81.2	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	74.0	81.8	82.7	83.4	83.8	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	75.4	83.1	84.1	84.9	85.5	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	78.9	87.2	88.1	89.0	89.5	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	80.0	88.3	89.4	90.2	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	80.5	90.1	91.2	92.0	92.5	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	80.7	90.5	92.4	93.2	93.9	94.3	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	80.9	91.3	93.4	94.2	94.9	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	80.9	91.4	93.5	94.6	95.3	95.7	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	81.1	91.7	93.8	94.9	95.6	96.0	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	81.1	91.7	93.8	95.0	95.9	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	81.1	92.1	94.2	95.7	96.5	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	81.1	92.4	94.6	96.1	97.0	97.4	97.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	81.1	92.5	94.8	96.5	97.7	98.1	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	81.1	92.5	94.8	96.7	98.1	98.5	99.0	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	81.1	92.5	94.8	96.7	98.1	98.5	99.0	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	81.1	92.5	94.8	96.7	98.1	98.5	99.2	99.3	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 50	81.1	92.5	94.8	96.7	98.1	98.5	99.2	99.3	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

724

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70,73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	48.6	52.8	54.0	54.3	54.7	54.7	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	53.5	59.2	60.6	60.8	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	53.9	59.6	61.0	61.3	62.1	62.1	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	54.0	59.9	61.3	61.5	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	55.6	61.7	63.1	63.3	64.2	64.2	64.3	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	56.1	62.2	63.6	63.9	64.7	64.7	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 10000	57.9	64.3	65.7	66.0	66.8	66.8	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 9000	58.9	65.3	66.7	66.9	67.8	67.8	67.9	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	60.3	67.2	68.8	69.0	69.9	69.9	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	61.4	68.5	70.0	70.3	71.1	71.1	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	62.4	69.6	71.1	71.5	72.4	72.4	72.5	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 5000	63.6	71.1	72.8	73.2	74.2	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	64.7	72.4	74.0	74.4	75.4	75.4	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	66.0	74.0	75.7	76.3	77.2	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	66.4	74.6	76.3	76.8	77.8	77.8	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	68.3	77.5	79.3	79.9	81.0	81.0	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	69.9	79.0	81.0	81.5	82.6	82.6	82.8	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	71.9	81.9	84.0	84.7	86.0	86.0	86.1	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	72.9	83.1	85.1	85.8	87.1	87.1	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	74.3	84.4	86.8	87.6	88.9	89.0	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	74.6	85.1	87.6	88.8	90.3	90.7	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1000	74.7	85.7	88.2	89.4	91.0	91.4	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900	74.7	86.0	88.5	89.7	91.5	91.9	92.1	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 800	74.9	86.4	88.9	90.3	92.1	92.5	92.6	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	75.0	87.2	89.7	91.4	93.3	93.8	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	75.0	87.4	90.0	91.9	94.0	94.4	94.7	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	75.3	87.8	90.7	93.1	95.1	95.6	95.8	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	75.3	87.9	90.6	93.5	95.7	96.3	96.8	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300	75.3	88.1	91.0	93.6	96.0	96.5	97.2	97.8	97.9	98.2	98.2	98.2	98.3	98.5	98.5	98.6
≥ 200	75.3	88.1	91.0	93.6	96.0	96.5	97.2	97.9	98.1	98.3	98.3	98.3	98.5	98.6	98.8	99.0
≥ 100	75.3	88.1	91.0	93.6	96.0	96.5	97.2	97.9	98.1	98.3	98.5	98.5	98.6	98.8	99.4	100.0
≥ 0	75.3	88.1	91.0	93.6	96.0	96.5	97.2	97.9	98.1	98.3	98.5	98.5	98.6	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

720

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

CR-70-73-75

1164

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	43.8	51.9	51.9	52.6	53.0	53.0	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	54.8
≥ 20000	48.2	56.6	56.6	57.5	58.0	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.8
≥ 18000	49.2	57.5	57.5	58.4	58.9	58.9	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	60.7
≥ 16000	49.4	57.8	57.8	58.7	59.1	59.1	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.9
≥ 14000	50.8	59.3	59.3	60.2	60.7	60.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.7
≥ 12000	51.0	59.6	59.6	60.4	60.9	60.9	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.9
IV 10000	52.4	60.9	60.9	61.8	62.2	62.2	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	64.3
IV 9000	52.8	61.3	61.3	62.2	62.7	62.7	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	64.7
IV 8000	55.1	63.6	63.6	64.5	64.9	64.9	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	67.0
IV 7000	56.2	64.7	64.7	65.8	66.3	66.3	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	68.3
≥ 6000	56.9	65.6	65.6	66.7	67.2	67.2	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	69.2
≥ 5000	58.4	67.6	67.6	69.0	69.4	69.4	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.5
≥ 4500	59.8	69.7	69.7	71.0	71.5	71.5	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	73.5
≥ 4000	62.2	73.0	73.0	74.4	74.8	74.8	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.9
≥ 3500	62.9	73.7	73.7	75.1	75.5	75.5	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	77.5
≥ 3000	64.0	75.3	75.3	76.6	77.1	77.1	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.1
≥ 2500	66.3	78.7	78.7	80.0	80.4	80.4	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.5
≥ 2000	67.9	81.3	81.3	83.6	84.0	84.0	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	86.1
≥ 1800	68.3	82.2	82.2	84.7	85.2	85.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	87.2
≥ 1500	69.0	83.8	84.0	86.3	87.0	87.0	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	89.0
≥ 1200	69.9	84.9	85.2	87.4	88.1	88.1	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	90.1
≥ 1000	70.1	85.4	85.8	88.1	88.8	88.8	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.8
≥ 900	70.3	85.8	86.3	88.5	89.2	89.2	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	91.2
≥ 800	70.6	86.3	86.7	89.0	89.7	89.7	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.7
≥ 700	70.6	86.5	87.0	89.2	89.9	89.9	90.6	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	92.1
≥ 600	70.6	86.7	87.2	89.4	90.3	90.3	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.5	91.5	92.6
≥ 500	70.6	86.7	87.2	89.4	90.6	90.6	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.9	91.9	93.3
≥ 400	70.6	87.0	87.9	90.1	91.9	91.9	92.6	93.0	93.0	93.5	93.5	93.5	93.5	93.7	93.7	94.8
≥ 300	70.6	87.2	88.1	90.3	92.4	92.6	93.3	93.7	93.7	94.2	94.2	94.2	94.2	94.4	94.4	95.7
≥ 200	70.6	87.2	88.1	90.6	92.6	92.8	93.5	93.9	93.9	94.4	94.4	94.4	94.4	94.8	94.8	97.3
≥ 100	70.6	87.2	88.1	90.6	92.6	92.8	93.5	93.9	94.2	94.6	94.6	94.6	94.6	95.3	95.3	99.6
≥ 50	70.6	87.2	88.1	90.6	92.6	92.8	93.5	93.9	94.2	94.6	94.6	94.6	94.6	95.3	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS

445

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

CR-70, 73-74

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	44.3	53.7	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	56.2	56.7
≥ 20000	45.6	54.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	57.5	58.0
≥ 18000	46.1	55.4	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	58.0	58.5
≥ 16000	46.3	55.7	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.5	57.5	57.5	57.5	57.5	58.2	58.7
≥ 14000	47.8	57.7	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.5	59.5	59.5	59.5	59.5	60.3	60.8
≥ 12000	49.4	59.5	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	62.0	62.5
≥ 10000	51.1	61.3	62.3	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.8	64.3
≥ 9000	52.2	62.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.8	65.3
≥ 8000	52.7	63.0	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	65.6	66.1
≥ 7000	53.7	64.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	66.6	67.1
≥ 6000	54.4	64.8	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6	67.3	67.8
≥ 5000	57.5	68.4	69.4	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.9	71.4
≥ 4500	58.0	69.9	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	72.4	72.9
≥ 4000	60.0	71.9	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	74.4	74.9
≥ 3500	61.3	73.2	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	75.7	76.2
≥ 3000	63.3	75.9	77.2	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.7	79.2
≥ 2500	64.1	77.7	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	80.5	81.0
≥ 2000	65.3	81.8	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	85.1	85.6
≥ 1800	65.6	83.0	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	86.3	86.8
≥ 1500	65.8	84.8	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	88.1	88.6
≥ 1200	65.8	85.1	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	89.4	89.9
≥ 1000	66.3	87.1	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	90.4	90.9
≥ 900	66.3	87.3	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	90.6	91.1
≥ 800	66.6	88.1	89.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	91.6	92.2
≥ 700	66.6	88.4	89.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.9	92.4
≥ 600	66.6	88.4	89.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.9	92.4
≥ 500	66.6	88.4	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.6	91.6	91.6	91.6	91.6	92.4	92.9
≥ 450	66.6	88.4	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.9	91.9	91.9	91.9	91.9	92.9	93.7
≥ 300	66.6	88.4	90.1	91.4	91.4	91.4	91.4	91.4	91.4	92.2	92.2	92.2	92.2	92.2	93.2	94.7
≥ 200	66.6	88.4	90.1	91.4	91.4	91.4	91.4	91.4	91.4	92.2	92.2	92.2	92.2	92.2	93.2	94.7
≥ 100	66.6	88.4	90.1	91.4	91.4	91.4	91.4	91.4	91.4	92.2	92.2	92.2	92.2	92.2	93.2	94.7
≥ 0	66.6	88.4	90.1	91.4	91.4	91.4	91.4	91.4	91.4	92.2	92.2	92.2	92.2	92.2	93.2	94.7

TOTAL NUMBER OF OBSERVATIONS

395

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

18-70-73-79

FEU

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	46.8	53.3	53.9	54.4	54.7	54.7	54.8	54.9	54.9	55.0	55.1	55.1	55.2	55.4	55.6	56.0
≥ 20000	49.9	57.0	57.7	58.2	58.6	58.6	58.8	58.9	58.9	59.0	59.1	59.1	59.2	59.4	59.6	60.0
≥ 18000	50.5	57.6	58.3	58.8	59.2	59.3	59.5	59.5	59.5	59.7	59.7	59.8	59.8	60.1	60.2	60.7
≥ 16000	50.9	58.3	58.9	59.4	59.9	60.0	60.2	60.3	60.3	60.4	60.5	60.5	60.6	60.8	61.0	61.4
≥ 14000	52.4	60.2	60.9	61.4	61.8	61.9	62.2	62.3	62.3	62.4	62.5	62.5	62.6	62.8	63.0	63.5
≥ 12000	53.3	61.2	61.8	62.4	62.8	62.9	63.2	63.3	63.3	63.4	63.5	63.5	63.6	63.8	63.9	64.4
≥ 10000	55.1	63.1	63.8	64.3	64.8	64.9	65.1	65.2	65.2	65.4	65.4	65.5	65.6	65.8	65.9	66.4
≥ 9000	55.8	63.9	64.6	65.1	65.6	65.7	65.9	66.0	66.0	66.1	66.2	66.2	66.3	66.5	66.7	67.2
≥ 8000	56.9	65.1	65.9	66.4	66.9	67.1	67.3	67.4	67.4	67.5	67.6	67.6	67.7	67.9	68.1	68.6
≥ 7000	58.1	66.4	67.2	67.7	68.2	68.4	68.7	68.8	68.8	68.9	69.0	69.0	69.1	69.3	69.5	70.0
≥ 6000	59.3	68.1	68.8	69.5	70.0	70.1	70.4	70.5	70.5	70.6	70.7	70.7	70.8	71.0	71.2	71.7
≥ 5000	60.7	69.9	70.7	71.4	71.9	72.1	72.4	72.5	72.5	72.6	72.7	72.7	72.8	73.0	73.2	73.7
≥ 4500	61.4	71.1	71.9	72.6	73.1	73.3	73.5	73.7	73.7	73.8	73.9	73.9	74.0	74.2	74.3	74.8
≥ 4000	63.0	73.0	73.9	74.6	75.1	75.3	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.2	76.4	76.9
≥ 3500	63.8	74.0	74.8	75.6	76.1	76.3	76.5	76.7	76.7	76.8	76.8	76.9	77.0	77.2	77.3	77.8
≥ 3000	65.0	75.9	76.9	77.6	78.2	78.4	78.6	78.7	78.7	78.8	78.9	78.9	79.1	79.3	79.4	79.9
≥ 2500	66.4	78.0	79.0	79.8	80.4	80.6	80.8	80.9	80.9	81.1	81.1	81.2	81.3	81.5	81.7	82.2
≥ 2000	68.6	81.5	82.6	83.6	84.2	84.3	84.6	84.7	84.7	84.9	84.9	85.0	85.1	85.3	85.5	85.9
≥ 1800	69.3	83.1	84.2	85.2	85.8	86.0	86.3	86.4	86.4	86.5	86.6	86.6	86.7	87.0	87.1	87.6
≥ 1500	70.2	85.1	86.3	87.4	88.0	88.3	88.6	88.7	88.7	88.8	88.9	88.9	89.0	89.2	89.4	89.9
≥ 1200	70.5	86.1	87.3	88.8	89.5	89.9	90.2	90.4	90.4	90.5	90.6	90.6	90.7	90.9	91.1	91.6
≥ 1000	70.7	86.9	88.5	89.8	90.6	91.0	91.4	91.6	91.6	91.7	91.8	91.8	91.9	92.1	92.3	92.8
≥ 900	70.9	87.7	88.8	90.2	91.1	91.5	92.0	92.2	92.2	92.3	92.4	92.4	92.5	92.7	92.9	93.4
≥ 800	71.0	87.5	89.2	90.6	91.6	92.0	92.5	92.6	92.7	92.8	92.9	92.9	93.0	93.2	93.4	93.9
≥ 700	71.0	87.8	89.5	91.1	92.1	92.5	92.9	93.1	93.2	93.3	93.4	93.4	93.5	93.7	93.9	94.4
≥ 600	71.0	88.0	89.8	91.5	92.6	92.9	93.5	93.8	93.8	93.9	94.0	94.0	94.1	94.3	94.5	95.0
≥ 500	71.1	88.3	90.1	92.0	93.2	93.6	94.2	94.4	94.5	94.7	94.8	94.8	94.9	95.1	95.3	95.8
≥ 400	71.1	88.4	90.4	92.5	93.8	94.2	94.9	95.2	95.3	95.5	95.6	95.6	95.7	95.9	96.1	96.6
≥ 300	71.1	88.5	90.5	92.7	94.1	94.6	95.3	95.8	95.9	96.2	96.3	96.3	96.5	96.7	96.9	97.5
≥ 200	71.1	88.5	90.5	92.7	94.2	94.6	95.4	95.9	95.9	96.3	96.3	96.5	96.5	96.8	97.1	97.5
≥ 100	71.1	88.5	90.5	92.7	94.2	94.6	95.4	95.9	96.0	96.4	96.6	96.7	96.9	97.2	97.9	99.7
≥ 0	71.1	88.5	90.5	92.7	94.2	94.6	95.4	95.9	96.0	96.4	96.6	96.7	96.9	97.2	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS

4241

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-74, 78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-4200
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	51.0	59.2	60.5	60.9	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.8	62.0	62.6
≥ 20000	51.8	61.1	62.4	62.8	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.9	64.5
≥ 18000	52.2	61.6	62.8	63.3	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.3	65.0
≥ 16000	52.7	62.0	63.3	63.7	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.8	65.4
≥ 14000	53.5	62.8	64.1	64.5	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.6	66.2
≥ 12000	54.6	63.9	65.2	65.6	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.5	66.7	67.3
≥ 10000	56.3	65.6	66.9	67.3	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	68.2	68.4	69.0
≥ 9000	56.3	65.6	66.9	67.3	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	68.2	68.4	69.0
≥ 8000	56.5	66.0	67.3	67.7	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.8	69.4
≥ 7000	57.3	67.1	68.4	68.8	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.9	70.5
≥ 6000	58.0	67.9	69.2	69.6	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.5	70.7	71.3
≥ 5000	58.6	68.8	70.1	70.5	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.5	72.2
≥ 4500	59.2	69.4	70.7	71.1	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.2	72.8
≥ 4000	60.1	70.7	72.0	72.4	72.8	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.5	74.1
≥ 3500	61.1	72.2	73.5	73.9	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.9	75.6
≥ 3000	62.0	73.7	74.9	75.4	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.4	77.1
≥ 2500	63.5	76.6	77.9	78.3	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.2	79.4	80.0
≥ 2000	65.4	79.7	80.5	80.9	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.7	82.0	82.6
≥ 1800	65.0	79.8	81.1	81.5	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.6	83.2
≥ 1500	66.5	81.1	82.4	82.8	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.7	83.9	84.5
≥ 1200	66.5	82.2	83.4	83.9	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.7	84.9	85.6
≥ 1000	66.5	82.4	83.7	84.1	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.9	85.1	85.8
≥ 900	66.5	83.0	84.5	84.9	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.8	86.0	86.6
≥ 800	66.5	83.2	84.7	85.1	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.2	86.8
≥ 700	66.5	83.2	84.7	85.1	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.2	86.8
≥ 600	66.5	84.3	86.2	86.6	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.9	88.5
≥ 500	66.5	84.9	86.8	87.3	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.2	89.8
≥ 400	66.5	84.9	87.3	87.7	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.8	90.0	90.7
≥ 300	66.5	84.9	87.7	88.1	89.8	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.7	91.3
≥ 200	66.5	84.9	87.9	88.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	91.1	91.3	91.9
≥ 100	66.5	84.9	87.9	88.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	91.1	91.3	91.9
≥ U	66.5	84.9	87.9	88.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	91.1	91.3	91.9

TOTAL NUMBER OF OBSERVATIONS

471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-73-78

MAH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	53.2	61.4	62.1	62.3	62.7	62.7	62.7	62.7	62.7	62.9	62.9	63.1	63.3	63.3	63.8	64.4
≥ 20000	54.2	62.7	63.3	63.6	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.4	64.6	64.6	65.0	65.7
≥ 18000	54.2	62.7	63.3	63.6	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.4	64.6	64.6	65.0	65.7
≥ 16000	54.2	62.7	63.3	63.6	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.4	64.6	64.6	65.0	65.7
≥ 14000	55.1	63.6	64.2	64.4	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.3	65.5	65.5	65.9	66.5
≥ 12000	56.6	65.0	65.7	65.9	66.3	66.5	66.5	66.5	66.5	66.7	66.7	66.9	67.2	67.2	67.6	68.2
≥ 10000	56.8	65.3	65.9	66.1	66.5	66.7	66.7	66.7	66.7	66.9	66.9	67.2	67.4	67.4	67.8	68.4
≥ 9000	56.8	65.3	65.9	66.1	66.5	66.7	66.7	66.7	66.7	66.9	66.9	67.2	67.4	67.4	67.8	68.4
≥ 8000	56.8	65.3	65.9	66.1	66.5	66.7	66.7	66.7	66.7	66.9	66.9	67.2	67.4	67.4	67.8	68.4
≥ 7000	57.8	66.7	67.4	67.6	68.0	68.2	68.2	68.2	68.2	68.4	68.4	68.6	68.9	68.9	69.3	69.9
≥ 6000	58.1	66.9	67.6	67.8	68.2	68.4	68.4	68.4	68.4	68.6	68.6	68.9	69.1	69.1	69.5	70.1
≥ 5000	58.5	67.6	68.2	68.4	68.9	69.1	69.1	69.1	69.1	69.3	69.3	69.5	69.7	69.7	70.1	70.8
≥ 4500	59.1	68.6	69.3	69.5	69.9	70.1	70.1	70.1	70.1	70.3	70.3	70.6	70.8	70.8	71.2	71.8
≥ 4000	60.2	69.7	70.3	70.6	71.0	71.2	71.2	71.2	71.2	71.4	71.4	71.6	71.8	71.8	72.2	72.9
≥ 3500	61.7	72.2	72.9	73.1	73.5	73.7	73.7	73.7	73.7	73.9	73.9	74.2	74.4	74.4	74.8	75.4
≥ 3000	62.1	73.1	73.7	73.9	74.4	74.6	74.6	74.6	74.6	74.8	74.8	75.0	75.2	75.2	75.6	76.3
≥ 2500	63.6	75.2	75.8	76.1	76.5	76.7	76.7	76.7	76.7	76.9	76.9	77.1	77.3	77.3	77.8	78.4
≥ 2000	64.2	77.1	77.8	78.0	78.4	78.6	78.6	78.6	78.6	78.8	78.8	79.0	79.2	79.2	79.7	80.3
≥ 1800	64.8	78.2	78.8	79.0	79.4	79.7	79.7	79.7	79.7	79.9	79.9	80.1	80.3	80.3	80.7	81.4
≥ 1500	65.5	79.2	79.9	80.3	80.9	81.1	81.1	81.1	81.1	81.4	81.4	81.6	81.8	81.8	82.2	82.9
≥ 1200	65.7	80.7	81.6	82.2	82.6	82.8	82.8	82.8	82.8	83.1	83.1	83.3	83.5	83.5	83.9	84.5
≥ 1000	65.7	80.9	81.8	82.6	83.1	83.3	83.3	83.3	83.3	83.5	83.5	83.7	83.9	83.9	84.3	85.0
≥ 900	65.9	82.2	83.1	83.9	84.3	84.5	84.7	84.7	84.7	85.0	85.0	85.2	85.4	85.4	85.8	86.4
≥ 800	66.1	82.4	83.3	84.1	84.5	84.7	85.0	85.0	85.0	85.2	85.2	85.4	85.6	85.6	86.0	86.7
≥ 700	66.3	83.3	84.1	85.0	85.4	85.6	85.8	85.8	85.8	86.0	86.0	86.2	86.4	86.4	86.9	87.5
≥ 600	66.3	83.7	84.5	85.4	85.8	86.0	86.2	86.2	86.2	86.4	86.4	86.7	86.9	86.9	87.3	87.9
≥ 500	66.3	83.9	84.7	85.6	86.2	86.4	86.7	86.7	86.7	86.9	86.9	87.1	87.3	87.3	87.7	88.3
≥ 400	66.3	83.9	84.7	86.7	87.3	87.5	87.7	87.7	87.7	87.9	87.9	88.3	88.6	88.6	89.0	89.6
≥ 300	66.3	83.9	85.4	87.7	88.3	88.6	88.8	89.0	89.0	89.2	89.2	89.6	89.8	89.8	90.3	90.9
≥ 200	66.3	83.9	85.4	87.7	88.6	88.8	89.0	89.4	89.4	89.6	89.6	90.0	90.5	91.1	91.7	92.6
≥ 100	66.3	83.9	85.4	87.7	88.6	88.8	89.0	89.4	89.4	89.6	89.6	90.3	90.9	91.5	91.7	93.6
≥ 0	66.3	83.9	85.4	87.7	88.6	88.8	89.0	89.4	89.4	89.6	89.6	90.3	90.9	91.5	91.7	93.6

TOTAL NUMBER OF OBSERVATIONS

472

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.015	≥ 0.01
NO CEILING	46.6	52.6	53.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.4	54.5	54.5	54.6	54.6	55.4
≥ 20000	49.3	55.7	56.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.8	57.8	58.0	58.0	58.6
≥ 18000	49.5	55.9	56.4	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.2	58.2	58.4	58.4	59.0
≥ 16000	49.7	56.1	56.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.2	58.2	58.4	58.4	58.7	58.7	59.3
≥ 14000	50.4	56.8	57.4	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.9	58.9	59.1	59.1	59.4	59.4	59.9
≥ 12000	50.5	57.1	57.6	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.4	59.4	59.7	59.7	60.2
≥ 10000	51.2	57.8	58.3	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.8	59.8	60.1	60.1	60.4	60.4	60.9
≥ 9000	51.5	58.0	58.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.1	60.1	60.4	60.4	60.6	60.6	61.2
≥ 8000	51.6	58.2	58.7	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.5	60.5	60.8	60.8	61.3
≥ 7000	51.9	58.6	59.1	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.9	60.9	61.2	61.2	61.7
≥ 6000	51.9	58.7	59.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.8	60.8	61.0	61.0	61.3	61.3	61.9
≥ 5000	53.7	60.6	61.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.9	62.9	63.2	63.2	63.8
≥ 4500	54.6	61.7	62.4	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.9	63.9	64.2	64.2	64.4	64.4	65.0
≥ 4000	55.4	62.5	63.2	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.7	64.7	65.0	65.0	65.3	65.3	65.8
≥ 3500	56.7	64.7	64.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.6	66.6	66.9	66.9	67.4
≥ 3000	58.0	65.8	66.8	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.8	68.8	69.1	69.1	69.6
≥ 2500	61.2	70.7	71.7	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.7	73.7	74.0	74.0	74.5
≥ 2000	62.9	73.6	74.5	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.6	76.6	76.8	76.8	77.4
≥ 1800	63.2	74.1	75.1	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.4	77.4	77.7	77.7	77.9	77.9	78.5
≥ 1500	64.2	77.7	78.3	80.2	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	81.2	81.2	81.5	81.5	82.0
≥ 1200	65.1	78.3	79.7	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.7	82.7	83.0	83.0	83.2	83.2	83.8
≥ 1000	65.4	79.7	81.1	83.4	83.9	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.5	84.5	84.7	84.7	85.3
≥ 900	65.4	80.4	81.7	84.2	84.7	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.3	85.3	85.6	85.6	86.1
≥ 800	65.7	80.8	82.3	84.9	85.4	85.6	85.6	85.6	85.6	85.6	85.7	85.7	86.0	86.0	86.2	86.2	86.8
≥ 700	65.8	80.9	82.6	85.1	85.7	85.8	85.8	86.0	86.0	86.0	86.1	86.2	86.5	86.5	86.8	86.8	87.3
≥ 600	65.9	81.2	82.8	85.4	86.0	86.1	86.2	86.5	86.6	86.6	86.8	86.9	87.2	87.2	87.5	87.5	88.0
≥ 500	65.9	81.2	82.8	85.6	86.2	86.6	87.1	87.5	87.6	87.6	87.9	88.1	88.4	88.4	88.7	88.7	89.4
≥ 400	65.9	81.5	83.4	86.8	88.0	88.4	89.0	89.4	89.6	89.9	90.2	90.5	90.7	90.7	91.0	91.0	91.7
≥ 300	65.9	81.5	83.4	87.2	88.8	89.4	89.9	90.9	91.3	91.8	92.4	92.6	93.1	93.5	93.9	93.9	95.5
≥ 200	65.9	81.5	83.4	87.2	88.8	89.4	89.9	90.9	91.3	91.8	92.4	92.6	93.1	93.6	94.6	94.6	99.5
≥ 100	65.9	81.5	83.4	87.2	88.8	89.4	89.9	90.9	91.3	91.8	92.4	92.6	93.1	93.6	94.6	94.6	100.0
≥ 0	65.9	81.5	83.4	87.2	88.8	89.4	89.9	90.9	91.3	91.8	92.4	92.6	93.1	93.6	94.6	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS

734

USAF ETAC

1 NOV
101-94

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAX

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	50.9	56.6	57.4	57.6	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	54.3	61.0	62.1	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 18000	55.0	61.7	62.8	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	55.1	61.9	63.0	63.6	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	56.1	62.9	64.1	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	57.2	64.2	65.4	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 10000	57.6	64.8	65.9	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	57.7	64.9	66.1	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	58.5	65.9	67.1	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 7000	59.0	66.7	67.9	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 6000	59.6	67.4	68.6	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 5000	61.5	69.5	70.7	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	62.8	71.6	72.7	73.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	63.6	72.4	73.6	74.2	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 3500	64.2	73.4	74.6	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 3000	66.2	76.2	77.4	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	67.2	77.8	79.3	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2000	68.8	79.8	81.5	82.9	83.1	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1800	69.5	81.1	82.8	84.3	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	71.1	84.2	86.1	87.6	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1200	72.3	85.8	87.8	89.5	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1000	72.4	87.3	89.3	91.0	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	72.5	88.0	90.3	92.0	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	72.6	88.3	90.6	93.0	93.5	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	72.6	88.3	90.8	93.2	93.8	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	72.7	89.0	91.6	94.0	94.0	94.0	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	72.9	89.4	92.0	94.8	95.7	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	73.0	89.6	92.4	95.3	96.3	96.3	96.5	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	73.0	89.6	92.5	95.5	96.9	97.1	97.7	98.5	98.6	98.8	98.8	99.0	99.1	99.1	99.1	99.2
IV 200	73.0	89.6	92.5	95.5	96.9	97.1	97.8	98.8	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.8
IV 100	73.0	89.6	92.5	95.5	96.9	97.1	97.8	98.8	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.9
IV 0	73.0	89.6	92.5	95.5	96.9	97.1	97.8	98.8	99.0	99.2	99.2	99.3	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

866

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING	54.0	60.2	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	58.6	65.8	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 18000	59.4	67.2	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	59.5	67.4	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	60.5	68.5	68.9	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	61.6	69.7	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	62.3	70.7	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 9000	62.3	70.7	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 8000	63.1	71.5	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	63.4	71.8	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	63.6	72.2	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 5000	65.5	74.3	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	66.4	75.4	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	67.0	76.6	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	67.7	77.8	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	68.8	79.3	79.7	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	70.1	81.0	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2000	71.7	83.7	84.2	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	72.3	84.7	85.3	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	74.1	87.2	87.9	88.8	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	75.3	89.5	90.4	91.7	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	75.5	90.6	91.6	92.9	93.6	93.8	93.8	94.0	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	75.5	90.8	91.8	93.1	93.8	94.0	94.0	94.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	75.5	91.0	92.1	93.7	94.5	94.7	94.7	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	75.5	91.5	92.8	94.5	95.3	95.5	95.5	95.7	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	75.5	91.7	93.2	95.4	96.7	96.9	96.9	97.1	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	75.6	91.9	93.8	96.1	97.9	98.2	98.2	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	75.7	92.1	93.9	96.5	99.0	99.2	99.2	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	75.7	92.1	93.9	96.5	99.0	99.2	99.2	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.7	92.1	93.9	96.5	99.0	99.2	99.2	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.7	92.1	93.9	96.5	99.0	99.2	99.2	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.7	92.1	93.9	96.5	99.0	99.2	99.2	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAX

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	53.4	59.3	60.0	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	57.1	63.7	64.4	64.8	64.9	65.0	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 18000	57.9	64.5	65.2	65.6	65.7	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	59.3	65.9	66.6	67.0	67.1	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	60.6	67.6	68.3	68.8	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 12000	61.6	68.9	69.6	70.1	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 10000	62.2	69.4	70.1	70.7	70.8	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 9000	62.2	69.4	70.1	70.7	70.8	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	62.4	69.8	70.5	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000	62.5	70.0	70.7	71.3	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	62.6	70.1	70.8	71.4	71.5	71.6	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 5000	63.9	72.0	72.7	73.3	73.4	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500	64.0	72.2	72.9	73.5	73.6	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	64.8	73.3	74.0	74.5	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 3500	65.7	74.3	75.0	75.6	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3000	66.4	75.5	76.2	76.7	76.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	67.9	77.4	78.1	79.1	79.2	79.3	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2000	69.7	81.1	81.9	83.0	83.2	83.3	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	70.8	82.4	83.7	84.8	85.1	85.2	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1500	72.0	84.3	85.5	86.7	86.9	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	72.9	86.5	87.8	89.4	89.6	89.7	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	73.7	88.1	89.5	91.0	91.2	91.3	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	73.8	88.5	90.2	92.0	92.4	92.5	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	73.8	88.7	90.3	92.4	92.7	92.8	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	74.0	89.1	90.9	93.1	93.4	93.5	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	74.3	89.9	91.9	94.6	95.0	95.3	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	74.3	90.3	92.2	95.3	96.4	96.6	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 400	74.3	90.4	92.5	96.1	97.7	98.0	98.7	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	74.3	90.4	92.5	96.1	97.7	98.1	99.0	99.1	99.1	99.3	99.5	99.5	99.5	99.7	99.7	99.7
≥ 200	74.3	90.4	92.5	96.1	97.7	98.1	99.0	99.1	99.1	99.4	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	74.3	90.4	92.5	96.1	97.7	98.1	99.0	99.1	99.1	99.4	99.7	99.7	99.7	99.9	99.9	99.9
≥ 0	74.3	90.4	92.5	96.1	97.7	98.1	99.0	99.1	99.1	99.4	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-76, 78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME PERIOD

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	46.4	55.2	55.4	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.4
≥ 20000	48.3	57.8	58.0	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0	59.2
≥ 18000	49.3	58.8	59.0	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.2
≥ 16000	49.8	59.3	59.5	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6	60.7
≥ 14000	50.9	60.9	61.1	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.3
≥ 12000	52.9	63.0	63.1	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.4	64.4	64.4	64.5
≥ 10000	53.6	64.0	64.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.6
≥ 9000	53.6	64.0	64.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.6
≥ 8000	54.2	64.5	64.7	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9	65.9	66.1
≥ 7000	55.2	65.6	65.7	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.1
≥ 6000	55.5	66.1	66.3	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.6
≥ 5000	55.5	66.1	66.3	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.6
≥ 4500	56.4	67.1	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5	68.5	68.7
≥ 4000	57.1	68.0	68.2	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.6
≥ 3500	57.6	68.7	68.9	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.2
≥ 3000	58.3	69.7	70.2	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.6
≥ 2500	59.3	72.1	72.7	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.2
≥ 2000	61.2	75.4	76.0	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.7
≥ 1800	61.8	76.3	76.8	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.4	78.4	78.5
≥ 1500	62.6	77.9	78.4	79.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.3
≥ 1200	63.5	80.1	80.8	82.4	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.4
≥ 1000	64.2	81.7	82.4	84.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.3
≥ 900	64.7	83.4	84.3	86.5	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.5
≥ 800	64.9	83.6	84.4	86.9	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.9	87.9	87.9	88.1
≥ 700	65.2	84.8	85.8	88.4	89.3	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	90.0
≥ 600	65.2	84.8	85.8	88.4	89.4	89.4	89.8	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.5
≥ 500	65.2	84.9	86.0	89.6	90.7	90.7	91.2	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.9
≥ 400	65.4	85.3	86.5	90.8	92.2	92.4	92.9	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.9
≥ 300	65.4	85.3	86.5	91.0	92.6	92.9	94.1	94.8	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.6
≥ 200	65.4	85.3	86.5	91.2	92.7	93.1	94.8	95.8	95.8	96.4	96.5	96.9	96.9	97.1	97.1	98.6
≥ 100	65.4	85.3	86.5	91.2	92.7	93.1	94.8	96.0	96.0	96.5	96.9	97.2	97.2	97.4	97.6	100.0
≥ 0	65.4	85.3	86.5	91.2	92.7	93.1	94.8	96.0	96.0	96.5	96.9	97.2	97.2	97.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

578

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFH CA

7-70-73-74-78

04H

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.4	55.9	56.1	56.4	56.6	56.6	56.6	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.6
≥ 20000	46.7	58.1	58.2	58.7	58.9	58.9	58.9	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.8
≥ 18000	47.1	58.5	58.7	59.1	59.3	59.3	59.3	59.4	59.8	59.8	59.8	59.8	59.8	59.8	60.2
≥ 16000	47.5	58.9	59.1	59.4	59.6	59.6	59.6	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.6
≥ 14000	48.4	60.2	60.4	60.7	60.9	60.9	60.9	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.9
≥ 12000	49.7	61.5	61.7	62.1	62.2	62.2	62.2	62.4	62.8	62.8	62.8	62.8	62.8	62.8	63.2
≥ 10000	51.2	63.2	63.4	63.7	63.9	63.9	63.9	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.9
≥ 9000	51.2	63.2	63.4	63.7	63.9	63.9	63.9	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.9
≥ 8000	51.4	63.6	63.7	64.1	64.3	64.3	64.3	64.5	64.9	64.9	64.9	64.9	64.9	64.9	65.2
≥ 7000	52.1	64.9	65.0	65.4	65.6	65.6	65.6	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.5
≥ 6000	52.9	65.6	65.8	66.2	66.4	66.4	66.4	66.5	66.9	66.9	66.9	66.9	66.9	66.9	67.3
≥ 5000	52.9	65.6	65.8	66.2	66.4	66.4	66.4	66.5	66.9	66.9	66.9	66.9	66.9	66.9	67.3
≥ 4500	53.6	66.9	67.1	67.5	67.7	67.7	67.7	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.6
≥ 4000	54.0	67.5	67.7	68.0	68.2	68.2	68.2	68.4	68.8	68.8	68.8	68.8	68.8	68.8	69.2
≥ 3500	55.0	69.3	69.5	69.9	70.1	70.1	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	71.0
≥ 3000	55.9	70.7	70.8	71.2	71.4	71.4	71.4	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.3
≥ 2500	56.8	72.5	72.7	73.1	73.3	73.3	73.3	73.5	73.8	73.8	73.8	73.8	73.8	73.8	74.2
≥ 2000	59.1	76.8	77.4	77.8	77.9	77.9	77.9	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.9
≥ 1800	59.8	77.9	78.5	78.9	79.1	79.1	79.1	79.3	79.6	79.6	79.6	79.6	79.6	79.6	80.0
≥ 1500	60.4	79.3	80.0	80.4	80.6	80.6	80.6	80.7	81.1	81.3	81.3	81.3	81.3	81.3	81.7
≥ 1200	61.1	82.1	82.8	83.2	83.4	83.4	83.4	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.5
≥ 1000	61.3	82.6	83.4	83.9	84.1	84.1	84.1	84.3	84.7	84.9	84.9	84.9	84.9	84.9	85.2
≥ 900	61.7	84.5	85.2	86.0	86.2	86.2	86.2	86.4	86.7	86.9	86.9	86.9	86.9	86.9	87.3
≥ 800	61.7	85.0	85.8	86.5	86.7	86.7	86.7	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.9
≥ 700	61.7	86.0	86.7	87.5	87.7	87.7	87.7	87.9	88.2	88.4	88.4	88.4	88.4	88.4	88.8
≥ 600	61.7	86.5	87.7	88.4	88.8	88.8	88.8	89.0	89.3	89.5	89.5	89.5	89.5	89.5	89.9
≥ 500	61.9	87.3	89.0	90.3	91.0	91.0	91.0	91.2	91.6	91.8	91.8	91.8	91.8	91.8	92.1
≥ 400	62.1	87.5	89.7	91.2	92.0	92.1	92.1	92.3	92.7	93.1	93.3	93.3	93.3	93.3	93.6
≥ 300	62.1	87.5	89.7	91.2	92.0	92.1	92.1	92.3	92.7	93.1	93.3	93.3	93.3	93.3	93.6
≥ 200	62.1	87.5	89.7	91.2	92.0	92.1	92.1	92.3	92.7	93.1	93.3	93.3	93.3	93.3	93.6
≥ 100	62.1	87.5	89.7	91.2	92.0	92.1	92.1	92.3	92.7	93.1	93.3	93.3	93.3	93.3	93.6
≥ 0	62.1	87.5	89.7	91.2	92.0	92.1	92.1	92.3	92.7	93.1	93.3	93.3	93.3	93.3	93.6

TOTAL NUMBER OF OBSERVATIONS

535

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.4	57.5	58.1	58.5	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.2
≥ 20000	53.1	61.0	61.7	62.1	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.8
≥ 18000	53.7	61.7	62.3	62.8	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.4	63.4	63.5
≥ 16000	54.1	62.1	62.8	63.3	63.5	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.8	63.8	63.8	64.0
≥ 14000	55.1	63.3	63.9	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.9	64.9	65.0	65.0	65.0	65.2
≥ 12000	56.2	64.5	65.2	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.5
≥ 10000	57.0	65.4	66.0	66.6	66.8	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.4
≥ 9000	57.0	65.4	66.1	66.7	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.4	67.7
≥ 8000	57.4	65.9	66.6	67.2	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.9	68.2
≥ 7000	58.0	66.7	67.3	67.9	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.5	68.6	68.9
≥ 6000	58.3	67.1	67.8	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.9	68.9	69.0	69.3
≥ 5000	59.5	68.5	69.1	69.7	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.2	70.2	70.3	70.4	70.7
≥ 4500	60.2	69.6	70.2	70.8	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.5	71.8
≥ 4000	61.0	70.5	71.2	71.8	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.5	72.8
≥ 3500	61.9	71.9	72.6	73.1	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.6	73.7	73.7	73.8	74.1
≥ 3000	62.9	73.4	74.2	74.8	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.4	75.5	75.8
≥ 2500	64.4	75.8	76.7	77.3	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.9	77.9	78.1	78.4
≥ 2000	66.1	78.7	79.6	80.5	80.8	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.4	81.7
≥ 1800	66.8	79.7	80.7	81.7	82.0	82.1	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.6	82.9
≥ 1500	67.9	81.9	82.9	84.0	84.4	84.4	84.5	84.6	84.6	84.7	84.8	84.8	84.9	84.9	85.1	85.3
≥ 1200	68.8	83.7	85.0	86.3	86.7	86.8	86.8	86.9	87.0	87.0	87.1	87.1	87.2	87.2	87.4	87.7
≥ 1000	69.1	84.9	86.1	87.5	88.0	88.0	88.1	88.2	88.2	88.3	88.4	88.4	88.5	88.5	88.7	89.0
≥ 900	69.2	85.7	87.1	88.6	89.1	89.2	89.3	89.4	89.4	89.5	89.6	89.6	89.7	89.7	89.8	90.1
≥ 800	69.3	86.0	87.4	89.1	89.6	89.7	89.8	89.9	90.0	90.1	90.1	90.2	90.2	90.3	90.4	90.7
≥ 700	69.4	86.5	87.9	89.8	90.3	90.4	90.5	90.6	90.7	90.8	90.8	90.9	91.0	91.0	91.1	91.4
≥ 600	69.5	87.0	88.6	90.6	91.3	91.4	91.5	91.7	91.8	91.9	91.9	92.0	92.1	92.1	92.3	92.5
≥ 500	69.5	87.3	89.1	91.4	92.4	92.6	92.9	93.1	93.2	93.2	93.3	93.4	93.5	93.5	93.7	94.0
≥ 400	69.6	87.4	89.4	92.2	93.5	93.8	94.2	94.4	94.5	94.7	94.8	94.9	94.9	95.0	95.1	95.4
≥ 300	69.6	87.4	89.5	92.4	93.9	94.2	94.7	95.1	95.2	95.4	95.6	95.7	95.8	95.8	96.0	96.4
≥ 200	69.6	87.4	89.5	92.4	94.0	94.3	94.9	95.5	95.6	95.9	96.2	96.4	96.6	96.7	97.0	97.9
≥ 100	69.6	87.4	89.5	92.4	94.0	94.3	94.9	95.5	95.7	96.0	96.3	96.5	96.7	96.9	97.5	99.8
≥ 0	69.6	87.4	89.5	92.4	94.0	94.3	94.9	95.5	95.7	96.0	96.3	96.5	96.8	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

5389

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB, CA

7-70-73

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700

CEILING FEET	VISIBILITY STATISTICAL															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	46.9	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
20000	47.3	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
18000	47.3	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
16000	47.8	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
14000	48.2	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
12000	48.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
10000	49.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000	49.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
6000	49.3	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
4000	49.3	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2000	50.0	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
1000	50.2	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
500	50.7	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
400	50.9	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
300	51.6	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
250	52.4	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
200	53.8	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
150	55.3	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
100	57.1	76.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
80	57.8	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
60	58.4	79.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
40	58.4	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
20	58.7	81.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
10	58.7	81.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
5	58.7	82.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2	58.7	82.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1	58.7	84.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
0.5	58.7	84.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
0.2	58.7	84.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
0.1	58.7	86.0	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
0.05	58.7	86.4	88.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
0.02	58.7	86.4	88.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0.01	58.7	86.4	88.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS

450

SAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70073

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.3	57.8	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	48.2	58.7	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	48.2	58.7	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	48.2	59.3	60.4	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.3	61.3	61.3	61.3
≥ 14000	48.2	59.3	60.4	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.3	61.3	61.3	61.3
≥ 12000	48.2	59.3	60.4	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.3	61.3	61.3	61.3
≥ 10000	48.7	60.2	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.0	62.2	62.2	62.2	62.2
≥ 9000	48.9	60.7	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.4	62.7	62.7	62.7	62.7
≥ 8000	49.1	61.6	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.3	63.6	63.6	63.6	63.6
≥ 7000	50.0	62.4	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.4	64.4	64.4	64.4
≥ 6000	51.1	63.6	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.3	65.6	65.6	65.6	65.6
≥ 5000	52.7	65.1	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	67.1	67.1	67.1	67.1
≥ 4500	53.6	66.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.7	68.0	68.0	68.0	68.0
≥ 4000	54.4	66.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6	68.9	68.9	68.9	68.9
≥ 3500	55.1	67.6	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3	69.6	69.6	69.6	69.6
≥ 3000	56.7	70.4	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.2	72.4	72.4	72.4	72.4
≥ 2500	58.4	73.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.1	75.3	75.3	75.3	75.3
≥ 2000	59.8	75.3	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.1	77.3	77.3	77.3	77.3
≥ 1800	59.8	76.2	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.0	78.2	78.2	78.2	78.2
≥ 1500	60.9	77.6	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.5	79.8	79.8	79.8	79.8
≥ 1200	61.3	78.9	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.8	81.1	81.1	81.1	81.1
≥ 1000	61.3	79.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	82.0	82.0	82.0	82.0
≥ 900	61.3	79.8	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.0	82.2	82.2	82.2	82.2
≥ 800	61.3	79.8	81.1	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.2	82.4	82.4	82.4	82.4
≥ 700	61.3	80.4	82.2	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	84.0	84.0	84.0	84.0
≥ 600	61.3	81.8	83.6	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.1	85.3	85.3	85.3	85.3
≥ 500	61.3	82.4	84.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	86.0	86.3	86.3	86.3	86.3
≥ 400	61.3	83.8	85.8	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.8	87.1	87.1	87.1	87.1
≥ 300	61.3	84.0	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.2	87.5	87.5	87.5	87.5
≥ 200	61.3	84.0	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.2	87.5	87.5	87.5	87.5
≥ 100	61.3	84.0	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.2	87.5	87.5	87.5	87.5
≥ 50	61.3	84.0	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.2	87.5	87.5	87.5	87.5

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70073-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	47.5	53.9	54.1	54.5	55.1	55.1	55.2	55.4	55.4	55.5	55.5	55.5	55.5	55.7	55.8	56.1
≥ 20000	48.7	55.1	55.4	55.8	56.4	56.4	56.5	56.7	56.7	56.8	56.8	56.8	56.8	57.1	57.2	57.3
≥ 18000	49.7	56.1	56.4	56.8	57.4	57.4	57.5	57.6	57.6	57.8	57.8	57.8	57.8	58.1	58.2	58.4
≥ 16000	49.9	56.4	56.7	57.1	57.6	57.6	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.4	58.5	58.7
≥ 14000	50.0	56.7	57.2	57.6	58.2	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.9	59.1	59.4
≥ 12000	50.1	57.2	57.5	57.9	58.5	58.5	58.7	58.8	58.8	58.9	58.9	58.9	58.9	59.2	59.4	59.6
≥ 10000	50.8	57.9	58.2	58.6	59.2	59.2	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.9	60.1	60.3
≥ 9000	50.8	57.9	58.2	58.6	59.2	59.2	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.9	60.1	60.3
≥ 8000	51.0	58.2	58.5	58.9	59.5	59.5	59.6	59.8	59.8	59.9	59.9	59.9	59.9	60.1	60.2	60.3
≥ 7000	51.6	58.9	59.2	59.6	60.2	60.2	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.9	61.0	61.3
≥ 6000	52.3	59.9	60.3	60.8	61.3	61.3	61.5	61.6	61.6	61.8	61.8	61.8	61.8	62.0	62.2	62.4
≥ 5000	53.3	62.9	61.3	61.8	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.9	63.0	63.3
≥ 4500	55.0	62.6	63.0	63.5	64.0	64.0	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.6	64.9	65.2
≥ 4000	55.9	63.6	64.0	64.4	65.0	65.0	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.7	65.9	66.1
≥ 3500	56.5	64.2	64.6	65.0	65.6	65.6	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.3	66.4	66.7
≥ 3000	58.1	66.4	66.9	67.3	67.8	67.8	68.0	68.1	68.1	68.3	68.3	68.3	68.3	68.6	68.7	69.0
≥ 2500	60.3	69.4	70.4	71.0	71.5	71.5	71.7	71.8	71.8	72.0	72.0	72.0	72.0	72.1	72.2	72.4
≥ 2000	62.9	73.2	74.4	75.1	75.6	75.6	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.3	76.5	76.8
≥ 1800	63.6	74.1	75.2	75.9	76.5	76.5	76.6	76.8	76.8	76.9	76.9	76.9	76.9	77.1	77.2	77.6
≥ 1500	64.6	76.5	77.6	78.3	78.9	78.9	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.5	79.6	79.9
≥ 1200	65.0	77.9	79.0	79.9	80.6	80.6	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.2	81.3	81.7
≥ 1000	65.3	79.2	80.7	81.6	82.3	82.3	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.9	83.0	83.4
≥ 900	65.3	79.9	81.7	82.7	83.4	83.4	83.6	83.7	83.7	83.9	83.9	83.9	83.9	84.0	84.1	84.6
≥ 800	65.3	80.3	82.6	83.6	84.3	84.3	84.7	84.8	85.0	85.0	85.1	85.1	85.1	85.2	85.4	85.8
≥ 700	65.3	80.9	83.1	84.3	85.0	85.0	85.6	85.7	85.8	85.8	86.0	86.0	86.0	86.1	86.3	86.7
≥ 600	65.3	81.4	84.1	85.6	86.7	87.3	87.4	87.5	87.5	87.8	87.8	87.8	87.8	88.0	88.1	88.5
≥ 500	65.3	82.0	85.0	87.0	88.5	89.1	89.2	89.5	89.5	89.8	89.9	89.9	89.9	90.1	90.2	90.5
≥ 400	65.3	82.7	85.8	88.1	89.7	90.4	90.5	90.8	90.8	91.1	91.2	91.2	91.2	91.4	91.5	92.0
≥ 300	65.3	82.7	85.8	88.1	89.8	90.5	90.7	90.9	90.9	91.2	91.5	91.8	92.2	92.6	93.2	93.8
≥ 200	65.3	82.7	85.8	88.1	89.9	90.9	91.2	91.5	91.5	91.9	92.4	92.8	93.4	94.2	95.5	97.5
≥ 100	65.3	82.7	85.8	88.1	89.9	90.9	91.4	91.6	91.6	92.1	92.5	92.9	93.9	94.5	96.5	99.7
≥ 0	65.3	82.7	85.8	88.1	89.9	90.9	91.4	91.6	91.6	92.1	92.5	92.9	93.9	94.5	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS

706

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	52.4	59.4	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 25000	54.7	62.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	54.9	62.8	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 15000	55.3	63.2	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 14000	56.0	64.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	56.2	64.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	57.2	65.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 9000	57.2	65.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 8000	57.2	65.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	57.2	65.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	57.5	65.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000	59.2	67.9	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500	60.5	69.3	70.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	61.1	70.2	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	61.8	70.9	71.9	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3000	63.6	73.0	74.1	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	66.3	76.2	77.5	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	69.3	79.9	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	70.5	81.5	83.2	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1500	71.4	83.4	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	71.8	84.8	86.9	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	71.9	85.5	87.8	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	72.0	86.2	88.7	89.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	72.1	86.7	89.8	90.7	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	72.1	87.3	90.9	91.9	92.6	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	72.1	87.5	91.3	93.0	93.6	94.2	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 500	72.2	87.6	91.6	93.9	94.9	95.3	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	72.2	87.8	92.1	94.5	95.6	96.2	97.0	97.2	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	72.2	87.8	92.2	94.7	95.9	96.5	97.8	98.2	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.2
≥ 200	72.2	87.8	92.2	94.7	95.9	96.5	97.8	98.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.8
≥ 100	72.2	87.8	92.2	94.7	95.9	96.5	97.8	98.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	100.0
≥ 0	72.2	87.8	92.2	94.7	95.9	96.5	97.8	98.2	98.4	98.8	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-78

JAPK

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	59.5	69.6	69.9	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 25000	62.7	72.8	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 15000	62.8	73.1	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 10000	62.9	73.3	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7500	63.3	73.7	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	63.8	74.2	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000	64.1	74.9	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1500	64.4	75.2	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1000	65.6	76.4	76.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 800	65.9	76.7	77.1	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 600	66.2	77.3	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 500	67.5	78.7	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 450	68.2	79.4	79.8	80.1	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 400	69.1	80.4	80.7	81.1	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 350	69.7	81.0	81.3	81.7	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 300	71.3	82.5	82.9	83.3	83.5	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 250	72.2	83.6	84.0	84.4	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 200	74.3	86.2	86.5	86.9	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 180	75.5	87.8	88.2	88.6	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 150	76.6	89.6	90.1	90.5	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 120	77.5	91.0	91.6	92.1	92.6	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 100	77.6	92.4	93.2	93.9	94.4	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 90	77.7	93.5	94.3	95.0	95.5	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 80	77.7	93.6	94.4	95.9	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 70	77.7	94.1	94.9	96.6	97.1	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 60	77.7	94.1	95.0	97.1	97.8	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 50	77.7	94.3	95.3	97.6	98.3	98.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 40	77.7	94.4	95.5	97.8	98.5	98.7	98.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 30	77.7	94.4	95.5	98.1	98.8	98.9	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 20	77.7	94.4	95.5	98.1	98.8	98.9	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 10	77.7	94.4	95.5	98.1	98.8	98.9	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 0	77.7	94.4	95.5	98.1	98.8	98.9	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

825

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING	58.2	66.2	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	60.8	68.8	69.5	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	61.3	69.2	70.0	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 16000	61.4	69.5	70.2	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	61.9	70.0	70.7	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 12000	62.0	70.1	70.8	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	62.5	71.0	71.7	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 9000	62.7	71.2	72.0	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	63.2	71.7	72.4	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	64.1	72.6	73.3	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	64.2	72.7	73.4	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	65.1	73.6	74.3	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	65.9	74.5	75.3	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	66.2	74.8	75.5	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	66.4	75.0	75.8	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3000	68.0	76.8	77.5	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	70.1	78.8	79.6	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	71.1	80.6	81.3	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	71.6	81.7	82.4	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	73.1	83.9	84.6	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	74.2	86.2	87.2	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	74.4	88.8	90.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	74.7	89.5	90.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	74.8	90.0	91.6	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	74.8	91.3	92.9	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	74.8	91.9	93.7	95.7	95.8	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	74.8	92.3	94.1	96.9	97.2	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	74.8	92.4	94.2	97.2	97.4	97.4	97.8	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	74.8	92.4	94.3	97.4	98.0	98.2	98.5	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	74.8	92.4	94.3	97.4	98.0	98.2	98.5	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	74.8	92.4	94.3	97.4	98.0	98.2	98.5	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	74.8	92.4	94.3	97.4	98.0	98.2	98.5	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

913

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-76-73-75-78

APX

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	51.3	64.3	64.7	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4
≥ 20000	53.3	66.3	66.8	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6
IV 18000	53.7	67.0	67.4	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.1	68.1
IV 16000	54.0	67.4	67.8	67.9	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5	68.5	68.5
IV 14000	54.2	67.6	67.9	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.7
IV 12000	54.4	67.8	68.1	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9	68.9
IV 10000	55.5	69.0	69.4	69.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1
IV 9000	55.9	69.4	69.8	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5	70.5	70.5	70.5
IV 8000	56.2	69.8	70.1	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9
IV 7000	56.6	70.1	70.5	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2
IV 6000	56.8	70.5	70.9	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6
IV 5000	57.1	71.1	71.4	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2
IV 4500	57.9	72.0	72.3	72.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.1
IV 4000	57.9	72.3	72.7	72.9	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
IV 3500	58.2	72.7	73.1	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8
IV 3000	58.8	73.3	73.6	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.4	74.4
IV 2500	60.1	75.1	75.5	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2
IV 2000	61.0	78.0	78.4	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.1	79.1	79.1
IV 1800	61.7	78.8	79.1	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9
IV 1500	62.3	79.5	79.9	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6
IV 1200	62.6	81.1	81.5	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
IV 1000	63.2	83.3	83.7	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.4
IV 900	63.4	84.2	84.6	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
IV 800	63.6	84.6	85.0	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7
IV 700	63.7	85.9	86.4	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2	87.2	87.2	87.2
IV 600	63.7	87.7	88.3	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0
IV 500	63.9	89.0	89.9	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
IV 400	63.9	89.9	90.8	91.9	92.3	93.6	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.1
IV 300	63.9	89.9	91.0	92.7	93.6	95.2	95.4	95.6	96.0	96.0	96.3	96.5	96.9	97.3	97.4	97.8
IV 200	63.9	89.9	91.0	92.7	93.6	95.2	95.4	95.6	96.0	96.0	96.3	96.5	96.9	97.3	97.4	97.8
IV 100	63.9	89.9	91.0	92.7	93.6	95.2	95.4	95.6	96.0	96.0	96.3	96.5	96.9	97.3	97.4	97.8
IV U	63.9	89.9	91.0	92.7	93.6	95.2	95.4	95.6	96.0	96.0	96.3	96.5	96.9	97.3	97.4	97.8

TOTAL NUMBER OF OBSERVATIONS

546

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.6	66.3	66.5	66.7	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3
≥ 20000	45.6	66.5	66.7	66.9	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 18000	45.6	66.5	66.7	66.9	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 16000	46.2	67.1	67.3	67.4	67.4	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0
≥ 14000	46.4	67.3	67.4	67.6	67.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2
≥ 12000	46.4	67.3	67.4	67.6	67.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2
≥ 10000	47.2	68.0	68.2	68.4	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0
≥ 9000	47.2	68.0	68.2	68.4	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0
≥ 8000	48.0	68.8	69.0	69.2	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8
≥ 7000	48.5	69.4	69.6	69.8	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4
≥ 6000	48.5	69.4	69.6	69.8	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4
≥ 5000	49.3	70.2	70.4	70.6	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2
≥ 4500	49.5	70.4	70.6	70.8	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3
≥ 4000	50.1	71.2	71.3	71.5	71.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.1
≥ 3500	50.1	71.5	71.7	71.9	71.9	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5
≥ 3000	50.5	71.9	72.1	72.3	72.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9
≥ 2500	51.9	74.9	75.0	75.2	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.8	75.8
≥ 2000	52.6	76.8	77.0	77.2	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8
≥ 1800	53.4	77.6	77.8	78.0	78.0	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6
≥ 1500	54.0	78.9	79.3	79.5	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1
≥ 1200	54.6	80.7	81.1	81.3	81.3	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9
≥ 1000	54.8	82.1	82.5	82.7	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2
≥ 900	54.8	82.7	83.0	83.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.8	83.8
≥ 800	54.8	83.2	83.6	83.8	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4
≥ 700	55.2	83.8	84.2	84.4	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
≥ 600	55.2	85.4	85.8	86.0	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6
≥ 500	55.2	86.0	86.4	86.7	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3
≥ 400	55.2	86.9	87.3	87.9	87.9	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.9	88.9
≥ 300	55.2	87.3	88.1	89.9	90.4	91.6	92.4	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.2	93.8
≥ 200	55.2	87.3	88.1	90.1	90.8	92.2	93.4	94.2	94.2	94.2	94.2	94.5	94.9	95.1	95.5	97.9
≥ 100	55.2	87.3	88.1	90.1	90.8	92.2	93.4	94.2	94.2	94.2	94.2	94.5	94.9	95.1	95.5	97.9
≥ 0	55.2	87.3	88.1	90.1	90.8	92.2	93.4	94.2	94.2	94.2	94.2	94.5	94.9	95.1	95.5	97.9

TOTAL NUMBER OF OBSERVATIONS

513

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	52.0	62.7	63.2	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.2
≥ 20000	53.8	64.7	65.2	65.4	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	66.0	66.2
≥ 18000	54.2	65.1	65.6	65.9	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.3	66.3	66.3	66.5	66.6
≥ 16000	54.4	65.4	66.0	66.3	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.7	66.7	66.7	66.9	67.0
≥ 14000	54.8	65.9	66.5	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.3	67.5
≥ 12000	55.0	66.2	66.8	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.5	67.6	67.8
≥ 10000	55.7	67.0	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.5	68.6
≥ 9000	55.8	67.2	67.8	68.0	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.6	68.8
≥ 8000	56.2	67.8	68.4	68.6	68.7	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.1	69.2	69.4
≥ 7000	56.7	68.3	68.9	69.1	69.2	69.3	69.4	69.4	69.4	69.4	69.5	69.5	69.6	69.6	69.7	69.9
≥ 6000	57.1	68.8	69.3	69.6	69.7	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.1	70.2	70.4
≥ 5000	58.1	69.9	70.5	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.2	71.4	71.5
≥ 4500	59.0	70.8	71.4	71.7	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.4	72.5
≥ 4000	59.6	71.6	72.2	72.4	72.6	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.1	73.3
≥ 3500	60.1	72.1	72.7	73.0	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.5	73.5	73.5	73.7	73.8
≥ 3000	61.5	73.8	74.4	74.6	74.8	74.9	75.0	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.4	75.5
≥ 2500	63.3	76.2	76.9	77.2	77.4	77.4	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.9	78.0
≥ 2000	65.1	78.9	79.7	80.0	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.8	80.9
≥ 1800	65.8	80.0	80.9	81.2	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.8	81.8	81.8	82.0	82.1
≥ 1500	66.8	81.8	82.8	83.1	83.4	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.8	83.9	84.1
≥ 1200	67.4	83.3	84.5	84.8	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.5	85.5	85.5	85.6	85.8
≥ 1000	67.6	84.8	86.1	86.6	86.9	87.0	87.1	87.1	87.1	87.1	87.2	87.2	87.3	87.3	87.4	87.6
≥ 900	67.7	85.5	86.9	87.5	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.2	88.3	88.5
≥ 800	67.7	85.9	87.5	88.4	88.7	88.8	88.9	89.0	89.0	89.0	89.1	89.1	89.2	89.2	89.3	89.5
≥ 700	67.8	86.6	88.4	89.4	89.7	89.9	90.0	90.0	90.1	90.1	90.2	90.2	90.3	90.3	90.4	90.6
≥ 600	67.8	87.4	89.3	90.5	91.0	91.2	91.4	91.5	91.6	91.7	91.7	91.8	91.8	91.8	92.0	92.1
≥ 500	67.8	87.9	89.9	91.6	92.2	92.4	92.6	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.3	93.4
≥ 400	67.8	88.5	90.6	92.6	93.3	93.6	93.9	94.1	94.3	94.4	94.5	94.6	94.6	94.6	94.8	95.0
≥ 300	67.8	88.6	90.8	93.1	94.0	94.6	95.0	95.3	95.5	95.7	96.0	96.0	96.1	96.2	96.4	96.7
≥ 200	67.8	88.6	90.8	93.2	94.1	94.8	95.3	95.7	95.8	96.2	96.5	96.7	96.9	97.0	97.7	98.7
≥ 100	67.8	88.6	90.8	93.2	94.1	94.8	95.3	95.7	95.9	96.3	96.6	96.7	96.9	97.1	98.2	99.8
≥ 0	67.8	88.6	90.8	93.2	94.1	94.8	95.3	95.7	95.9	96.3	96.6	96.7	96.9	97.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

5128

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	29.0	38.6	38.8	39.3	39.5	39.7	39.9	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	42.1
≥ 20000	29.0	38.6	38.8	39.3	39.5	39.7	39.9	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	42.1
≥ 18000	29.0	38.6	38.8	39.3	39.5	39.7	39.9	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	42.1
≥ 16000	29.0	38.6	38.8	39.3	39.5	39.7	39.9	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	42.1
≥ 14000	29.0	38.6	38.8	39.3	39.5	39.7	39.9	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	42.1
≥ 12000	29.0	38.6	38.8	39.3	39.5	39.7	40.1	40.1	40.3	40.3	40.6	40.6	40.6	40.6	40.6	42.3
≥ 10000	29.0	38.6	38.8	39.3	39.5	39.7	40.1	40.1	40.3	40.3	40.6	40.6	40.6	40.6	40.6	42.3
≥ 9000	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 8000	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 7000	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 6000	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 5000	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 4500	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 4000	29.2	39.1	39.3	39.7	39.9	40.1	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	42.7
≥ 3500	29.8	39.9	40.1	40.6	40.8	41.0	41.4	41.4	41.6	41.6	41.8	41.8	41.8	41.8	41.8	43.6
≥ 3000	29.8	40.6	40.8	41.2	41.4	41.6	42.1	42.1	42.3	42.3	42.5	42.5	42.5	42.5	42.5	44.2
≥ 2500	30.3	41.4	41.6	42.1	42.3	42.5	42.9	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	45.1
≥ 2000	31.1	42.5	42.7	43.1	43.3	43.6	44.0	44.0	44.2	44.2	44.4	44.4	44.4	44.4	44.4	46.1
≥ 1800	31.3	43.1	43.3	43.8	44.0	44.2	44.6	44.6	44.8	44.8	45.1	45.1	45.1	45.1	45.1	46.8
≥ 1500	33.0	45.9	46.8	47.2	47.4	47.6	48.1	48.1	48.3	48.3	48.5	48.5	48.5	48.5	48.5	50.9
≥ 1200	35.6	50.6	51.5	51.9	52.1	52.4	52.8	52.8	53.0	53.0	53.2	53.2	53.2	53.2	53.2	54.9
≥ 1000	36.1	54.3	55.2	55.6	55.8	56.0	56.4	56.4	56.7	56.7	56.9	56.9	56.9	56.9	56.9	58.6
≥ 900	36.7	55.8	56.7	57.1	57.3	57.5	57.9	57.9	58.2	58.2	58.4	58.4	58.4	58.4	58.4	60.1
≥ 800	37.1	57.7	58.6	59.0	59.2	59.4	59.9	59.9	60.1	60.1	60.3	60.3	60.3	60.3	60.3	62.0
≥ 700	37.1	59.2	60.1	60.5	60.7	60.9	61.4	61.4	61.6	61.6	61.8	61.8	61.8	61.8	61.8	63.5
≥ 600	37.8	62.7	63.1	63.5	63.7	63.9	64.4	64.4	64.6	64.6	64.8	64.8	64.8	64.8	64.8	66.5
≥ 500	37.8	64.8	66.1	66.7	67.0	67.2	67.6	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0	69.7
≥ 400	37.8	67.0	68.2	70.0	70.4	70.6	71.5	71.5	71.7	71.7	71.9	71.9	72.3	72.3	72.3	74.7
≥ 300	37.8	68.7	70.0	72.1	73.2	74.2	75.5	75.5	75.8	76.0	76.6	76.6	77.0	77.5	78.3	80.9
≥ 200	37.8	68.7	70.0	72.3	73.6	74.7	76.2	76.2	77.3	77.9	79.4	79.8	81.1	82.2	85.2	88.6
≥ 100	37.8	68.7	70.0	72.3	73.6	74.7	76.2	76.4	77.5	78.1	79.8	80.7	82.2	83.3	87.6	99.8
≥ 0	37.8	68.7	70.0	72.3	73.6	74.7	76.2	76.4	77.5	78.1	79.8	80.7	82.2	83.3	87.6	100.0

TOTAL NUMBER OF OBSERVATIONS

466

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING	25.3	30.9	31.3	32.2	32.2	32.4	32.4	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000	25.3	31.3	31.8	32.6	32.6	32.8	32.8	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 18000	25.3	31.3	31.8	32.6	32.6	32.8	32.8	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 16000	25.3	31.3	31.8	32.6	32.6	32.8	32.8	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 14000	25.5	31.5	32.0	32.8	32.8	33.0	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 12000	25.5	31.5	32.0	32.8	32.8	33.0	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 10000	25.5	31.5	32.0	32.8	32.8	33.0	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 9000	26.0	32.2	32.6	33.5	33.5	33.7	33.7	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 8000	26.0	32.4	32.8	33.7	33.7	33.9	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 7000	26.0	32.4	32.8	33.7	33.7	33.9	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 6000	26.0	32.4	32.8	33.7	33.7	33.9	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 5000	26.0	32.4	32.8	33.7	33.7	33.9	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 4500	26.0	32.4	32.8	33.7	33.7	33.9	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 4000	26.2	32.8	33.3	34.1	34.1	34.3	34.3	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 3500	26.8	33.9	34.3	35.2	35.2	35.4	35.4	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 3000	27.0	34.8	35.2	36.1	36.1	36.3	36.3	36.5	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 2500	27.0	35.2	35.6	36.5	36.5	36.7	36.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 2000	28.3	37.1	37.6	38.4	38.4	38.6	38.6	38.8	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 1800	28.8	37.8	38.2	39.1	39.1	39.3	39.3	39.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1500	30.0	41.0	41.4	42.3	42.3	42.5	42.5	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 1200	32.2	44.6	45.3	46.1	46.1	46.4	46.4	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 1000	33.0	48.3	48.9	49.8	49.8	50.0	50.2	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 900	33.7	50.2	51.1	51.9	51.9	52.1	52.4	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 800	34.1	53.4	54.3	55.2	55.2	55.4	55.8	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 700	34.3	55.2	56.2	57.1	57.3	57.5	57.9	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 600	35.0	57.5	58.6	59.4	59.7	59.9	60.3	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 500	35.0	60.1	61.2	62.2	62.7	62.9	63.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 400	35.0	60.9	62.0	63.5	65.0	65.2	65.9	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 300	35.0	62.7	63.9	65.5	68.0	69.1	70.0	70.8	71.5	71.9	72.7	73.0	73.8	74.0	76.2	77.5
≥ 200	35.0	62.9	64.2	65.9	69.1	70.8	71.7	73.2	74.0	75.3	76.6	77.5	78.5	79.2	84.3	88.2
≥ 100	35.0	62.9	64.2	65.9	69.1	70.8	71.7	73.2	74.0	75.3	76.6	77.7	79.0	80.3	86.5	99.6
≥ 0	35.0	62.9	64.2	65.9	69.1	70.8	71.7	73.2	74.0	75.3	76.6	77.7	79.0	80.3	86.5	100.0

TOTAL NUMBER OF OBSERVATIONS

466

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.7	32.9	33.9	34.7	35.2	35.3	35.6	35.6	35.7	35.7	35.9	35.9	36.1	36.1	36.4	36.5
≥ 20000	27.4	33.8	34.8	35.6	36.1	36.2	36.5	36.5	36.6	36.6	36.8	36.8	37.0	37.1	37.4	37.2
≥ 18000	27.6	34.1	35.1	35.9	36.4	36.5	36.8	36.8	36.9	36.9	37.0	37.0	37.3	37.4	37.7	37.8
≥ 16000	27.6	34.1	35.1	35.9	36.4	36.5	36.8	36.8	36.9	36.9	37.0	37.0	37.3	37.4	37.7	37.8
≥ 14000	27.9	34.4	35.5	36.2	36.6	36.9	37.1	37.1	37.3	37.3	37.4	37.4	37.7	37.8	38.0	38.2
≥ 12000	28.0	34.6	35.6	36.4	36.9	37.0	37.3	37.3	37.4	37.4	37.5	37.5	37.8	37.9	38.2	38.3
≥ 10000	28.0	34.6	35.6	36.4	36.9	37.0	37.3	37.3	37.4	37.4	37.5	37.5	37.8	37.9	38.2	38.3
≥ 8000	28.1	34.7	35.7	36.5	37.0	37.1	37.4	37.4	37.5	37.5	37.7	37.7	37.9	38.0	38.3	38.4
≥ 7000	28.1	34.7	35.7	36.5	37.0	37.1	37.4	37.4	37.5	37.5	37.7	37.7	37.9	38.0	38.3	38.4
≥ 6000	28.1	34.7	35.7	36.5	37.0	37.1	37.4	37.4	37.5	37.5	37.7	37.7	37.9	38.0	38.3	38.4
≥ 5000	28.4	35.5	36.5	37.3	37.8	37.9	38.2	38.2	38.3	38.3	38.4	38.4	38.7	38.8	39.1	39.2
≥ 4500	28.4	35.5	36.5	37.3	37.8	37.9	38.2	38.2	38.3	38.3	38.4	38.4	38.7	38.8	39.1	39.2
≥ 4000	28.8	35.9	36.9	37.7	38.2	38.3	38.6	38.6	38.7	38.7	38.8	38.8	39.1	39.2	39.2	39.6
≥ 3500	29.0	36.1	37.1	37.9	38.4	38.6	38.8	38.8	38.9	39.1	39.1	39.3	39.5	39.7	39.8	39.8
≥ 3000	29.3	36.4	37.4	38.2	38.7	38.8	39.1	39.1	39.2	39.2	39.3	39.3	39.6	39.7	40.0	40.1
≥ 2500	29.6	37.0	38.0	38.8	39.3	39.5	39.7	39.7	39.8	39.8	40.0	40.0	40.2	40.4	40.6	40.7
≥ 2000	31.1	38.8	39.8	40.6	41.1	41.3	41.5	41.5	41.6	41.6	41.8	41.8	42.0	42.2	42.4	42.5
≥ 1800	32.0	40.0	41.0	41.9	42.4	42.5	42.8	42.8	42.9	42.9	43.1	43.1	43.3	43.4	43.7	43.8
≥ 1600	33.3	41.9	43.2	44.1	44.9	45.0	45.4	45.4	45.5	45.5	45.6	45.6	45.9	46.0	46.3	46.4
≥ 1400	35.1	46.7	47.9	48.8	49.6	49.7	50.1	50.1	50.3	50.3	50.4	50.4	50.6	50.8	51.0	51.2
≥ 1200	35.6	49.7	51.4	52.4	53.2	53.3	53.9	53.9	54.0	54.0	54.1	54.1	54.4	54.5	54.8	54.9
≥ 1000	35.7	51.9	53.7	55.1	56.0	56.2	56.7	56.7	56.8	56.8	56.9	56.9	57.2	57.3	57.6	57.7
≥ 800	36.2	54.1	56.8	58.6	59.8	59.9	60.4	60.4	60.5	60.5	60.7	60.7	60.9	61.1	61.3	61.4
≥ 700	36.6	55.4	58.9	61.3	62.7	62.9	63.6	63.6	63.8	63.8	63.9	63.9	64.1	64.3	64.5	64.7
≥ 600	36.9	56.9	60.8	64.0	65.7	65.8	66.8	67.0	67.1	67.1	67.2	67.2	67.5	67.6	67.9	68.0
≥ 500	37.0	57.8	61.8	65.9	68.1	68.6	70.1	70.3	70.4	70.4	70.7	70.7	71.0	71.1	71.3	71.7
≥ 400	37.0	58.0	62.2	67.0	70.7	71.7	74.2	75.2	75.4	75.4	75.7	75.7	76.0	76.1	76.5	77.2
≥ 300	37.0	58.1	62.5	67.9	72.4	74.2	77.2	79.3	79.8	80.3	81.2	81.6	82.5	82.9	83.7	85.2
≥ 200	37.0	58.1	62.5	67.9	72.6	74.4	77.8	80.3	80.8	81.6	83.0	83.7	85.2	86.4	89.3	95.5
≥ 100	37.0	58.1	62.5	67.9	72.6	74.4	77.8	80.3	80.8	81.6	83.2	83.8	85.5	87.0	90.5	100.0
≥ 0	37.0	58.1	62.5	67.9	72.6	74.4	77.8	80.3	80.8	81.6	83.2	83.8	85.5	87.0	90.5	100.0

TOTAL NUMBER OF OBSERVATIONS

778

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	22	21	21	20	20	19	19	18	18	17
NO CEILING	42.3	37.9	53.2	53.4	53.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
2 20000	43.0	53.6	54.0	54.4	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2 8000	43.0	54.2	54.0	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2 5000	43.7	54.3	54.8	55.4	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2 4000	43.9	54.8	55.2	55.4	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
2 3000	44.2	55.0	55.5	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2 2000	44.3	55.1	55.6	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2 1000	44.3	55.1	55.6	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2 8000	44.3	55.1	55.6	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2 5000	44.4	55.2	55.7	56.3	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2 4000	44.8	55.5	56.1	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2 3000	45.1	56.0	56.4	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2 2000	45.6	56.4	56.9	57.5	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2 1000	46.1	56.9	57.4	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2 8000	46.1	56.9	57.4	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2 5000	46.4	57.3	57.7	58.4	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2 4000	47.6	58.9	59.4	60.1	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2 3000	48.9	60.4	60.8	61.8	61.9	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2 2000	50.8	63.7	64.5	65.5	65.7	66.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2 1000	53.1	69.0	69.9	70.8	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2 8000	54.0	72.4	73.2	74.4	75.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 5000	54.3	74.0	75.6	76.9	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2 4000	54.4	75.6	77.4	78.9	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2 3000	54.5	77.3	79.5	81.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2 2000	54.6	78.3	81.3	84.4	85.6	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2 1000	54.6	79.8	82.4	86.7	88.5	88.7	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2 8000	54.6	79.2	83.1	88.6	91.5	92.0	92.9	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 5000	54.6	79.2	83.3	89.2	92.6	93.7	94.1	96.8	97.0	97.3	97.6	97.7	98.0	98.0	98.0	98.0
2 4000	54.6	79.2	83.3	89.2	92.6	93.7	94.1	97.0	97.3	97.7	98.2	98.3	98.7	99.0	99.0	99.0
2 3000	54.6	79.2	83.3	89.2	92.6	93.7	94.1	97.0	97.3	97.7	98.2	98.3	98.7	99.2	100.0	100.0
2 2000	54.6	79.2	83.3	89.2	92.6	93.7	94.1	97.0	97.3	97.7	98.2	98.3	98.7	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

840

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO. CEILING	50.0	63.5	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2-2000	51.9	65.7	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2-1000	52.6	66.4	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2-500	52.6	66.4	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2-400	53.1	67.0	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
2-200	53.5	67.4	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2-100	53.6	67.5	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2-50	53.7	67.6	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2-30	53.7	67.6	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2-15	54.0	68.0	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2-10	54.0	68.0	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2-5	54.0	68.0	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2-3	54.2	68.1	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2-2	54.2	68.1	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2-1.5	54.2	68.1	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2-1	54.2	68.1	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2-0.75	54.2	68.1	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2-0.5	54.2	68.1	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2-0.25	54.3	68.3	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2-0.15	55.7	70.0	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2-0.1	56.8	71.2	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2-0.05	58.8	74.2	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
2-0.01	60.7	78.8	79.9	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2-0.001	61.0	80.4	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
2-0.0001	61.2	82.1	83.7	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2-0.00001	61.2	84.0	85.8	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2-0.000001	61.3	85.2	88.0	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2-0.0000001	61.4	88.2	90.8	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2-0.00000001	61.4	89.6	92.7	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2-0.000000001	61.4	89.9	93.1	96.1	97.1	97.5	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2-0.0000000001	61.4	90.0	93.5	96.8	98.2	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2-0.00000000001	61.4	90.0	93.5	96.8	98.2	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2-0.000000000001	61.4	90.0	93.5	96.8	98.2	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

P 43

AD-A082 417

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/S 5/P
VANDENBERG AFB, LOMPOC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)
AUG 79

UNCLASSIFIED USAFETAC/DS-00/085

HL

3 of 5

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

AD-A082 417

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0
NO CEILING	44.9	57.3	58.0	58.5	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	46.7	59.4	60.2	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	47.1	59.8	60.6	61.1	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 16000	47.2	59.9	60.7	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	48.1	60.8	61.6	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	48.7	61.4	62.1	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	48.7	61.4	62.1	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	48.7	61.4	62.1	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	48.7	61.4	62.1	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	48.8	61.5	62.2	62.7	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	48.9	61.6	62.4	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	48.9	61.6	62.4	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	49.0	61.7	62.5	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	49.0	61.7	62.5	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3500	49.0	61.7	62.5	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3000	49.3	62.0	62.8	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 2500	49.7	62.5	63.3	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 2000	50.8	64.4	65.2	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1800	51.3	65.2	66.0	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 1500	53.1	67.8	68.5	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 1200	55.2	71.6	72.4	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1000	56.6	77.5	78.6	79.1	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 900	57.5	79.7	81.1	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 800	57.9	82.3	84.2	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 700	58.3	85.6	88.1	89.3	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	58.3	87.3	89.9	91.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	58.3	88.6	91.8	94.0	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 400	58.3	88.8	92.3	95.5	96.9	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	58.3	88.8	92.3	95.8	97.2	97.9	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 200	58.3	88.8	92.3	95.8	97.2	97.9	98.7	99.1	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.9
≥ 100	58.3	88.8	92.3	95.8	97.2	97.9	98.7	99.1	99.1	99.5	99.6	99.7	99.7	99.7	99.9	100.0
≥ 0	58.3	88.8	92.3	95.8	97.2	97.9	98.7	99.1	99.1	99.5	99.6	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-75, 78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	35.0	44.5	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.7	45.7	45.7	45.7	45.7	45.9	45.9
≥ 70000	35.7	45.4	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.8	46.8
≥ 18000	35.7	45.4	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.8	46.8
≥ 16000	36.1	45.7	46.4	46.4	46.6	46.6	46.6	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.1	47.1
≥ 14000	37.0	46.6	47.5	47.5	47.7	47.7	47.7	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.2	48.2
≥ 12000	37.1	46.8	47.7	47.7	47.9	47.9	47.9	47.9	47.9	48.2	48.2	48.2	48.2	48.2	48.4	48.4
≥ 10000	37.1	47.0	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.6	48.6
≥ 9000	37.1	47.0	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.6	48.6
≥ 8000	37.1	47.0	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.6	48.6
≥ 7000	37.9	47.7	48.6	48.6	48.8	48.8	48.8	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.3	49.3
≥ 6000	37.9	47.7	48.6	48.6	48.8	48.8	48.8	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.3	49.3
≥ 5000	37.9	47.9	48.8	48.8	48.9	48.9	48.9	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.5	49.5
≥ 4500	37.9	47.9	48.8	48.8	48.9	48.9	48.9	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.5	49.5
≥ 4000	37.9	47.9	48.8	48.8	48.9	48.9	48.9	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.5	49.5
≥ 3500	37.9	47.9	48.8	48.8	48.9	48.9	48.9	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.5	49.5
≥ 3000	38.4	48.4	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.8	50.0	50.0
≥ 2500	38.8	49.1	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.5	50.5	50.5	50.7	50.7
≥ 2000	39.8	50.9	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.5	52.5
≥ 1800	40.2	51.6	52.5	52.5	52.7	52.7	52.7	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.2	53.2
≥ 1500	42.7	55.5	56.4	56.4	56.6	56.6	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.1	57.1
≥ 1200	44.6	60.4	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	62.0	62.0
≥ 1000	45.4	63.9	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.7	65.7
≥ 900	46.6	67.5	68.6	68.6	68.8	68.8	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.3	69.3
≥ 800	47.0	69.8	71.6	71.6	71.8	71.8	71.8	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.3	72.3
≥ 700	47.3	71.6	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.8	74.8	74.8	74.8	74.8	75.0	75.0
≥ 600	48.2	73.8	76.4	77.5	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.2	78.2
≥ 500	48.2	76.3	79.1	80.4	81.1	81.1	81.1	81.1	81.1	81.6	81.6	81.6	81.6	81.6	81.8	81.8
≥ 400	48.2	77.5	80.9	83.4	84.3	84.3	84.3	84.3	84.3	85.2	85.2	85.2	85.2	85.2	85.9	85.9
≥ 300	48.2	78.0	81.6	85.2	86.3	86.3	86.3	86.3	86.3	87.9	88.8	88.8	88.8	88.8	90.2	90.2
≥ 200	48.2	78.0	81.6	85.2	86.8	87.1	88.8	89.6	89.6	89.8	91.1	91.4	91.8	93.0	93.4	94.0
≥ 100	48.2	78.0	81.6	85.2	86.8	87.1	88.8	89.6	89.8	91.3	91.8	92.1	93.6	93.9	96.1	100.0
≥ 0	48.2	78.0	81.6	85.2	86.8	87.1	88.8	89.6	89.8	91.3	91.8	92.1	93.6	93.9	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS

560

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

JAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	30.6	42.9	43.8	43.8	44.0	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6	45.5
≥ 20000	30.6	42.9	43.8	43.8	44.0	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6	45.5
≥ 18000	30.6	42.9	43.8	43.8	44.0	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6	45.5
≥ 16000	30.6	42.9	43.8	43.8	44.0	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6	45.5
≥ 14000	30.7	43.1	44.0	44.0	44.2	44.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.8	44.8	45.7
≥ 12000	30.9	43.3	44.2	44.2	44.4	44.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	45.0	45.0	45.9
≥ 10000	31.7	44.0	45.0	45.0	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.7	45.7	46.7
≥ 9000	31.7	44.0	45.0	45.0	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.7	45.7	46.7
≥ 8000	31.7	44.0	45.0	45.0	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.7	45.7	46.7
≥ 7000	31.9	44.2	45.2	45.2	45.4	45.4	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	46.9
≥ 6000	31.9	44.2	45.2	45.2	45.4	45.4	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	46.9
≥ 5000	32.3	44.6	45.5	45.5	45.7	45.7	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	47.2
≥ 4500	32.3	44.6	45.5	45.5	45.7	45.7	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	47.2
≥ 4000	32.4	44.8	45.7	45.7	45.9	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5	47.4
≥ 3500	32.4	44.8	45.7	45.7	45.9	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5	47.4
≥ 3000	32.4	44.8	45.7	45.7	45.9	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5	47.4
≥ 2500	33.0	45.7	46.7	46.7	46.9	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.4	47.4	48.4
≥ 2000	34.0	47.6	48.6	48.6	48.8	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.3	50.3
≥ 1800	34.2	48.2	49.1	49.1	49.3	49.3	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.9	49.9	50.9
≥ 1500	35.3	50.7	51.6	51.6	51.8	51.8	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.4	52.4	53.3
≥ 1200	37.4	56.2	57.1	57.1	57.3	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.9	57.9	58.8
≥ 1000	38.1	59.6	60.5	60.5	60.7	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.3	61.3	62.4
≥ 900	39.5	62.2	63.2	63.2	63.4	63.4	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	65.1
≥ 800	39.8	63.2	64.1	64.1	64.3	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	66.0
≥ 700	40.4	66.0	67.4	67.4	67.6	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1	69.3
≥ 600	40.6	69.1	70.4	70.4	70.6	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	72.3
≥ 500	40.8	71.0	72.7	72.7	73.2	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8	75.0
≥ 400	41.0	72.5	74.8	74.8	75.9	75.9	76.5	76.5	77.0	77.2	77.2	77.2	77.4	77.6	77.6	78.7
≥ 300	41.0	73.4	75.7	75.7	78.0	78.0	79.1	79.7	80.1	80.1	80.1	80.1	80.8	80.8	81.0	82.5
≥ 200	41.0	73.4	75.7	75.7	78.4	78.4	80.1	80.5	81.6	83.7	83.7	84.4	85.6	86.0	86.7	88.6
≥ 100	41.0	73.4	75.7	75.7	78.4	78.4	80.1	80.5	81.6	83.7	83.7	84.8	86.1	86.5	87.3	90.7
≥ 0	41.0	73.4	75.7	75.7	78.4	78.4	80.1	80.5	81.6	83.7	83.7	84.8	86.1	86.5	87.3	90.7

TOTAL NUMBER OF OBSERVATIONS

527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING	37.0	47.1	47.8	48.2	48.4	48.5	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.9	48.9	49.2
≥ 20000	37.8	48.2	48.9	49.3	49.5	49.6	49.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.3
≥ 18000	38.1	48.5	49.2	49.6	49.8	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.3	50.6
≥ 16000	38.2	48.6	49.3	49.7	49.9	50.0	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.7
≥ 14000	38.6	48.1	49.8	50.2	50.4	50.5	50.6	50.6	50.7	50.7	50.8	50.8	50.8	50.8	50.9	51.2
≥ 12000	38.9	49.3	50.0	50.4	50.6	50.7	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.4
≥ 10000	39.0	49.4	50.2	50.6	50.8	50.9	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.6
≥ 9000	39.0	49.6	50.3	50.7	50.9	51.0	51.1	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.7
≥ 8000	39.1	49.6	50.3	50.7	50.9	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.7
≥ 7000	39.2	49.8	50.5	50.9	51.1	51.2	51.3	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.6	51.9
≥ 6000	39.3	49.9	50.6	51.0	51.2	51.3	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.7	51.7	52.0
≥ 5000	39.4	50.0	50.7	51.2	51.4	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	52.1
≥ 4500	39.5	50.1	50.8	51.3	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.2
≥ 4000	39.7	50.3	51.0	51.4	51.6	51.8	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.4
≥ 3500	39.9	50.6	51.3	51.7	51.9	52.0	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.7
≥ 3000	40.0	50.9	51.6	52.0	52.2	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.7	53.0
≥ 2500	40.4	51.4	52.1	52.5	52.7	52.9	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.6
≥ 2000	41.6	52.2	53.9	54.4	54.6	54.7	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.4
≥ 1800	42.3	54.1	54.9	55.4	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.4
≥ 1500	44.0	57.0	57.9	58.4	58.7	58.8	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.6
≥ 1200	46.1	61.7	62.6	63.1	63.4	63.5	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.3
≥ 1000	46.8	65.1	66.2	66.8	67.1	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	68.0
≥ 900	47.4	67.3	68.6	69.3	69.7	69.8	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.6
≥ 800	47.7	69.3	71.1	71.9	72.3	72.4	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	73.2
≥ 700	48.0	71.4	73.5	74.7	75.3	75.4	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.9	75.9	76.2
≥ 600	48.3	73.4	75.8	77.5	78.2	78.3	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9	79.2
≥ 500	48.3	74.9	77.7	79.9	81.0	81.2	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.4
≥ 450	48.4	75.6	78.7	81.9	83.6	84.1	85.0	85.3	85.4	85.5	85.6	85.7	85.7	85.7	85.7	86.1
≥ 400	48.4	76.1	79.3	83.0	85.2	86.1	87.4	88.3	88.5	88.8	89.2	89.4	89.7	89.9	90.4	91.0
≥ 300	48.4	76.1	79.4	83.1	85.6	86.6	88.0	89.2	89.5	90.2	90.9	91.2	91.9	92.4	93.9	96.0
≥ 200	48.4	76.1	79.4	83.1	85.6	86.6	88.0	89.2	89.5	90.2	91.1	91.4	92.2	92.8	94.9	99.9
≥ 100	48.4	76.1	79.4	83.1	85.6	86.6	88.0	89.2	89.5	90.2	91.1	91.4	92.2	92.8	94.9	100.0
≥ 0	48.4	76.1	79.4	83.1	85.6	86.6	88.0	89.2	89.5	90.2	91.1	91.4	92.2	92.8	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS

5556

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70-73

1111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.4	24.9	25.3	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.2	26.4	26.4	26.4	26.9	26.9
≥ 20000	14.4	24.9	25.3	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.2	26.4	26.4	26.4	26.9	26.9
IV 18000	14.4	24.9	25.3	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.2	26.4	26.4	26.4	26.9	26.9
IV 16000	14.4	24.9	25.3	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.2	26.4	26.4	26.4	26.9	26.9
IV 14000	14.4	24.9	25.3	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.2	26.4	26.4	26.4	26.9	26.9
IV 12000	14.7	25.1	25.6	25.8	25.8	26.0	26.2	26.2	26.2	26.2	26.4	26.7	26.7	26.7	27.1	27.1
IV 10000	14.7	25.1	25.6	25.8	25.8	26.0	26.2	26.2	26.2	26.2	26.4	26.7	26.7	26.7	27.1	27.1
IV 9000	14.7	25.1	25.6	25.8	25.8	26.0	26.2	26.2	26.2	26.2	26.4	26.7	26.7	26.7	27.1	27.1
IV 8000	14.7	25.1	25.6	25.8	25.8	26.0	26.2	26.2	26.2	26.2	26.4	26.7	26.7	26.7	27.1	27.1
IV 7000	14.7	25.1	25.6	25.8	25.8	26.0	26.2	26.2	26.2	26.2	26.4	26.7	26.7	26.7	27.1	27.1
IV 6000	15.1	25.6	26.0	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	27.1	27.1	27.1	27.6	27.6
IV 5000	15.1	25.6	26.0	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	27.1	27.1	27.1	27.6	27.6
IV 4500	15.3	25.8	26.2	26.4	26.4	26.7	26.9	26.9	26.9	26.9	27.1	27.3	27.3	27.3	27.8	27.8
IV 4000	15.6	26.0	26.4	26.7	26.7	26.9	27.1	27.1	27.1	27.1	27.3	27.6	27.6	27.6	28.0	28.0
IV 3500	15.6	26.2	26.7	26.9	26.9	27.1	27.3	27.3	27.3	27.3	27.6	27.8	27.8	27.8	28.2	28.2
IV 3000	15.6	26.2	26.7	26.9	26.9	27.1	27.3	27.3	27.3	27.3	27.6	27.8	27.8	27.8	28.2	28.2
IV 2500	16.4	27.1	27.6	27.8	27.8	28.0	28.2	28.2	28.2	28.2	28.4	28.7	28.7	28.7	29.1	29.1
IV 2000	18.2	29.8	30.2	30.4	30.4	30.7	30.9	30.9	30.9	30.9	31.1	31.3	31.3	31.3	31.8	31.8
IV 1800	19.8	32.4	32.9	33.1	33.1	33.3	33.6	33.6	33.6	33.6	33.8	34.0	34.0	34.0	34.4	34.4
IV 1500	21.3	35.6	36.0	36.4	36.4	36.7	36.9	36.9	36.9	36.9	37.1	37.3	37.3	37.3	37.8	37.8
IV 1200	22.9	40.9	41.3	41.8	41.8	42.0	42.2	42.2	42.2	42.2	42.4	42.7	42.7	42.7	43.1	43.1
IV 1000	23.8	45.3	46.0	46.4	46.4	46.7	46.9	46.9	46.9	46.9	47.1	47.3	47.3	47.3	47.8	47.8
IV 900	24.9	47.1	47.8	48.2	48.2	48.4	48.7	48.7	48.7	48.7	48.9	49.1	49.1	49.1	49.6	49.6
IV 800	24.9	48.4	49.1	49.8	49.8	50.0	50.2	50.2	50.2	50.2	50.4	50.7	50.7	50.7	51.1	51.1
IV 700	25.3	51.3	52.2	52.9	52.9	53.1	53.3	53.3	53.3	53.3	53.6	53.8	53.8	53.8	54.2	54.2
IV 600	26.0	55.1	56.4	57.3	57.3	57.6	57.8	57.8	57.8	57.8	58.0	58.2	58.2	58.2	58.7	58.7
IV 500	26.7	59.3	60.7	62.0	62.0	62.2	62.4	62.4	62.4	62.4	62.7	62.9	63.1	63.1	63.6	63.6
IV 400	26.7	60.4	62.0	63.8	64.2	64.4	64.7	64.9	64.9	64.9	65.1	65.3	65.6	65.6	66.0	66.0
IV 300	26.9	61.8	64.2	67.1	68.0	68.4	68.9	69.1	69.3	69.8	70.2	70.4	70.7	70.7	71.3	71.3
IV 200	26.9	62.0	64.4	68.0	69.6	70.4	71.3	72.2	73.1	74.2	74.7	75.1	75.8	76.2	81.1	84.0
IV 100	26.9	62.0	64.4	68.2	69.8	70.7	71.8	73.6	74.7	76.0	77.1	78.2	79.3	80.2	89.3	100.0
IV 0	26.9	62.0	64.4	68.2	69.8	70.7	71.8	73.6	74.7	76.0	77.1	78.2	79.3	80.2	89.3	100.0

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70,73

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .025	≥ .01
NO CEILING	10.7	16.9	17.3	17.6	17.6	17.6	17.6	17.6	17.6	17.8	18.0	18.0	18.2	18.4	19.3	20.0
≥ 20000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 18000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 16000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 14000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 12000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 10000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 9000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 8000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 7000	10.7	17.1	17.6	17.8	17.8	17.8	17.8	17.8	17.8	18.0	18.2	18.2	18.4	18.7	19.6	20.2
≥ 6000	11.1	17.6	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.4	18.7	18.7	18.9	19.1	20.0	20.7
≥ 5000	11.1	17.6	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.4	18.7	18.7	18.9	19.1	20.0	20.7
≥ 4500	11.1	17.6	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.4	18.7	18.7	18.9	19.1	20.0	20.7
≥ 4000	11.1	17.6	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.4	18.7	18.7	18.9	19.1	20.0	20.7
≥ 3500	11.1	17.6	18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.4	18.7	18.7	18.9	19.1	20.0	20.7
≥ 3000	11.3	17.8	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.7	18.9	18.9	19.1	19.3	20.2	20.7
≥ 2500	12.4	19.1	19.6	19.8	19.8	19.8	19.8	19.8	19.8	20.0	20.2	20.2	20.4	20.7	21.0	22.2
≥ 2000	15.3	23.6	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.7	24.9	24.9	25.1	25.3	26.2	26.9
≥ 1800	17.6	27.8	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.9	29.1	29.1	29.3	29.6	30.4	31.1
≥ 1500	19.6	30.7	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.8	32.0	32.0	32.2	32.4	33.3	34.0
≥ 1200	21.3	34.7	35.6	35.8	36.0	36.0	36.0	36.0	36.0	36.2	36.4	36.4	36.7	36.9	37.8	38.4
≥ 1000	22.0	37.1	38.4	38.7	38.9	38.9	38.9	38.9	38.9	39.1	39.3	39.3	39.6	39.8	40.7	41.3
≥ 900	22.0	38.2	39.6	39.8	40.0	40.0	40.0	40.0	40.0	40.2	40.4	40.4	40.7	40.9	41.8	42.4
≥ 800	22.2	40.2	41.6	41.8	42.0	42.0	42.0	42.0	42.0	42.2	42.4	42.4	42.7	42.9	43.8	44.4
≥ 700	22.4	41.3	42.7	43.1	43.3	43.3	43.3	43.3	43.3	43.6	43.8	43.8	44.0	44.2	45.1	45.8
≥ 600	22.4	44.9	46.2	46.7	46.9	46.9	46.9	46.9	46.9	47.1	47.3	47.3	47.6	48.0	48.9	49.6
≥ 500	22.4	48.7	49.8	51.1	51.6	51.8	51.8	51.8	51.8	52.0	52.2	52.2	52.4	52.9	53.8	54.4
≥ 400	22.4	50.0	52.0	54.7	57.1	57.6	57.6	57.8	58.0	58.4	58.7	58.7	58.9	59.3	60.2	60.9
≥ 300	22.4	51.6	54.0	58.0	61.1	61.8	62.2	62.9	63.3	64.2	64.7	64.9	65.3	65.8	66.7	67.3
≥ 200	22.4	51.6	54.0	58.7	62.7	63.6	64.7	66.4	66.9	68.7	69.6	70.9	72.0	72.7	78.0	83.1
≥ 100	22.4	51.6	54.0	58.7	62.9	63.8	65.1	66.9	67.3	69.3	70.9	72.2	73.3	74.4	83.3	100.0
≥ 0	22.4	51.6	54.0	58.7	62.9	63.8	65.1	66.9	67.3	69.3	70.9	72.2	73.3	74.4	83.3	100.0

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

92214

VANDENBERG AFB CA

67-70, 73-74

44

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0500-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	16.2	22.2	22.7	23.4	24.2	24.4	24.5	24.5	24.5	24.7	24.9	24.9	24.9	24.9	25.2	25.5
≥ 20000	16.8	22.7	23.3	24.0	24.8	24.9	25.1	25.1	25.1	25.2	25.5	25.5	25.5	25.5	25.8	26.4
≥ 18000	16.8	22.7	23.3	24.0	24.8	24.9	25.1	25.1	25.1	25.2	25.5	25.5	25.5	25.5	25.8	26.4
≥ 16000	16.8	22.7	23.3	24.0	24.8	24.9	25.1	25.1	25.1	25.2	25.5	25.5	25.5	25.5	25.8	26.4
≥ 14000	16.8	22.7	23.3	24.0	24.8	24.9	25.1	25.1	25.1	25.2	25.5	25.5	25.5	25.5	25.8	26.4
≥ 12000	16.8	22.9	23.4	24.1	24.9	25.1	25.2	25.2	25.2	25.3	25.6	25.6	25.6	25.6	25.9	26.4
≥ 10000	16.9	23.0	23.5	24.4	25.2	25.3	25.5	25.5	25.5	25.6	25.9	25.9	25.9	25.9	26.2	26.5
≥ 9000	16.9	23.0	23.5	24.4	25.2	25.3	25.5	25.5	25.5	25.6	25.9	25.9	25.9	25.9	26.2	26.5
≥ 8000	16.9	23.1	23.7	24.5	25.3	25.5	25.6	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.3	26.6
≥ 7000	16.9	23.1	23.7	24.5	25.3	25.5	25.6	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.3	26.6
≥ 6000	16.9	23.1	23.7	24.5	25.3	25.5	25.6	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.3	26.6
≥ 5000	16.9	23.1	23.7	24.5	25.3	25.5	25.6	25.6	25.6	25.8	26.0	26.0	26.0	26.0	26.3	26.6
≥ 4500	17.2	23.4	24.0	24.8	25.6	25.8	25.9	25.9	25.9	26.0	26.3	26.3	26.3	26.3	26.6	26.9
≥ 4000	17.2	23.4	24.0	24.8	25.6	25.8	25.9	25.9	25.9	26.0	26.3	26.3	26.3	26.3	26.6	26.9
≥ 3500	17.2	23.4	24.0	24.8	25.6	25.8	25.9	25.9	25.9	26.0	26.3	26.3	26.3	26.3	26.6	26.9
≥ 3000	17.9	24.1	24.7	25.6	26.5	26.6	26.7	26.7	26.7	26.9	27.1	27.1	27.1	27.1	27.4	27.7
≥ 2500	18.8	25.3	25.9	26.9	27.7	27.8	28.0	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.7	28.9
≥ 2000	20.9	28.7	29.2	30.2	31.0	31.2	31.3	31.3	31.3	31.4	31.7	31.7	31.7	31.7	32.0	32.3
≥ 1800	22.9	31.2	31.7	32.7	33.5	33.7	33.8	33.8	33.8	33.9	34.2	34.2	34.2	34.2	34.5	34.8
≥ 1500	24.8	34.2	34.8	35.7	36.6	36.7	36.8	36.8	36.8	37.0	37.3	37.3	37.3	37.3	37.5	37.8
≥ 1200	25.5	36.4	37.1	38.2	39.1	39.2	39.3	39.5	39.5	39.6	39.9	39.9	39.9	39.9	40.2	40.4
≥ 1000	26.6	39.6	40.9	42.7	43.5	43.6	43.8	43.9	43.9	44.0	44.3	44.3	44.3	44.3	44.6	44.9
≥ 900	27.3	41.7	43.1	45.2	46.0	46.1	46.4	46.5	46.5	46.7	47.0	47.0	47.0	47.0	47.2	47.5
≥ 800	27.6	43.4	44.7	47.0	47.9	48.1	48.3	48.5	48.5	48.6	48.9	48.9	48.9	48.9	49.2	49.4
≥ 700	27.6	45.0	46.7	49.6	50.8	51.0	51.2	51.4	51.4	51.5	51.8	51.9	51.9	51.9	52.2	52.5
≥ 600	27.7	46.0	47.8	51.7	52.9	53.3	53.7	53.9	53.9	54.2	54.4	54.7	54.7	54.8	55.1	55.4
≥ 500	27.8	47.8	50.1	56.1	57.9	58.6	59.4	60.2	60.4	60.7	60.9	61.2	61.2	61.4	61.6	61.9
≥ 400	27.8	49.3	52.1	60.2	63.3	64.5	66.2	67.6	68.0	68.6	69.1	69.4	69.4	69.5	69.8	70.2
≥ 300	27.8	49.6	52.6	62.2	66.3	68.7	71.3	74.4	75.1	76.3	77.8	78.4	79.2	79.8	80.2	81.0
≥ 200	27.8	49.6	52.6	62.2	66.6	69.1	72.0	75.9	76.6	77.8	80.2	81.4	82.8	84.2	87.1	90.2
≥ 100	27.8	49.6	52.6	62.2	66.6	69.1	72.2	76.0	76.7	78.4	81.0	82.3	83.9	85.9	90.9	99.2
≥ 0	27.8	49.6	52.6	62.2	66.6	69.1	72.2	76.0	76.7	78.4	81.0	82.3	83.9	85.9	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS

722

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .1
NO CEILING	29.8	42.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	30.6	44.0	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	30.6	44.0	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 16000	30.6	44.0	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	30.9	44.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000	31.2	44.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 10000	31.5	44.9	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 9000	31.5	44.9	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 8000	31.5	45.1	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 7000	31.5	45.1	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	31.7	45.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 5000	31.7	45.3	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 4500	32.0	45.6	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 4000	32.0	45.6	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 3500	32.3	45.9	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 3000	33.1	46.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 2500	33.8	47.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 2000	36.4	50.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 1800	38.4	53.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 1500	41.7	57.4	58.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1200	44.6	64.1	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1000	45.9	67.9	69.4	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 900	46.4	70.9	72.8	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 800	47.0	73.3	75.8	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 700	47.2	75.3	78.9	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 600	47.2	77.0	81.4	83.7	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 500	47.3	78.1	83.0	87.2	89.0	89.3	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 400	47.3	78.4	83.2	88.9	91.6	92.2	93.2	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 300	47.3	78.4	83.2	89.4	92.8	93.8	95.4	96.8	97.2	97.7	97.9	98.5	98.8	98.8	99.0	99.1
≥ 200	47.3	78.4	83.2	89.4	92.8	93.8	95.6	96.9	97.3	97.8	98.0	98.6	98.9	98.9	99.4	100.0
≥ 100	47.3	78.4	83.2	89.4	92.8	93.8	95.6	96.9	97.3	97.8	98.0	98.6	98.9	98.9	99.4	100.0
≥ 0	47.3	78.4	83.2	89.4	92.8	93.8	95.6	96.9	97.3	97.8	98.0	98.6	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

810

USAF ETAC

FORM 04

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

93216

VANDENBERG AFB CA

7-70-73-78

10

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	40.3	55.5	55.9	56.8	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	41.1	57.1	57.6	58.5	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	41.3	57.3	57.8	58.6	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	41.3	57.3	57.8	58.6	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	41.9	57.9	58.5	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	42.6	58.6	59.2	60.1	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	43.1	59.5	60.1	61.0	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	43.1	59.5	60.1	61.0	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	43.1	59.5	60.1	61.0	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	43.5	59.9	60.5	61.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000	43.7	60.1	60.7	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	43.7	60.1	60.7	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4500	43.7	60.1	60.7	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	43.7	60.1	60.7	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3500	44.3	60.7	61.3	62.2	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3000	44.8	61.2	61.8	62.7	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 2500	45.3	61.8	62.4	63.3	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 2000	47.3	64.0	64.7	65.5	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1800	49.0	65.8	66.4	67.2	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 1500	51.1	69.6	70.2	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1200	54.2	75.2	75.9	76.7	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1000	56.3	81.8	82.4	83.3	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	57.1	84.5	85.2	86.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 800	57.3	85.7	86.5	87.6	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700	57.9	87.7	89.0	90.9	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	58.1	89.0	91.5	93.5	94.5	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	58.3	89.9	93.6	96.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	58.3	89.9	93.7	96.9	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	58.3	89.9	93.7	96.9	98.5	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	58.3	89.9	93.7	96.9	98.5	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	58.3	89.9	93.7	96.9	98.5	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	58.3	89.9	93.7	96.9	98.5	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

812

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-76

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING	38.9	48.3	48.6	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	39.6	49.4	49.9	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	39.6	49.4	49.9	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	39.6	49.4	49.9	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	39.9	49.7	50.1	51.2	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 12000	40.4	50.4	50.8	51.9	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	40.4	50.7	51.1	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	40.7	51.1	51.5	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	40.7	51.1	51.5	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	40.9	51.2	51.7	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 6000	41.0	51.4	51.8	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	41.0	51.4	51.8	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	41.0	51.4	51.8	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4000	41.0	51.4	51.8	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3500	41.4	51.8	52.2	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 3000	41.8	52.2	52.6	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 2500	42.2	52.6	53.0	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 2000	44.2	54.6	55.0	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1800	44.7	55.1	55.5	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1500	47.1	57.9	58.4	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 1200	51.9	65.2	65.8	67.0	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 1000	54.4	72.2	72.9	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 900	55.4	75.7	76.0	77.4	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	56.6	77.8	78.7	80.3	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 700	57.3	80.6	81.7	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 600	57.8	83.0	84.8	88.0	88.9	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	57.9	84.8	87.4	92.4	93.6	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	57.9	84.9	88.1	94.3	95.6	95.8	96.5	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	58.0	85.0	88.2	94.6	96.0	96.5	97.4	98.2	98.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0
≥ 200	58.0	85.0	88.2	94.6	96.1	96.8	97.6	98.5	98.6	98.9	99.2	99.3	99.6	99.6	99.9	99.9
≥ 100	58.0	85.0	88.2	94.6	96.1	96.8	97.6	98.5	98.6	98.9	99.2	99.3	99.7	99.7	100.0	100.0
≥ 0	58.0	85.0	88.2	94.6	96.1	96.8	97.6	98.5	98.6	98.9	99.2	99.3	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

722

USAF ETAC

1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-74

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	27.6	35.0	35.2	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.9	35.9	35.9
≥ 20000	28.1	35.9	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.9	36.9	37.0
18000	28.1	35.9	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.9	36.9	37.0
16000	28.1	35.9	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.9	36.9	37.0
14000	28.1	35.9	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.9	36.9	37.0
12000	28.7	36.5	36.7	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.4	37.4	37.6
10000	28.9	36.7	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.6	37.6	37.8
9000	28.9	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.8	37.8	38.0
8000	28.9	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.8	37.8	38.0
7000	29.3	37.0	37.4	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.1	38.1	38.3
6000	29.4	37.2	37.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.3	38.3	38.5
5000	29.6	37.4	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.5	38.5	38.7
4500	29.6	37.4	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.5	38.5	38.7
4000	29.6	37.4	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.5	38.5	38.7
3500	30.2	38.0	38.3	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.1	39.1	39.3
3000	30.7	38.5	38.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6	39.8
2500	31.7	39.4	39.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.6	40.6	40.7
2000	33.3	42.2	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.3	43.3	43.5
1800	33.7	42.8	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.9	43.9	44.1
1500	35.6	45.2	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.5
1200	38.3	50.4	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.7
1000	40.0	54.6	55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.9
900	40.9	57.2	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.5
800	41.5	59.8	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9	61.1
700	42.4	63.0	63.5	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.8
600	44.1	66.7	67.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.3
500	44.6	70.7	72.4	74.3	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	75.0	75.0	75.2
400	44.8	72.0	75.9	79.1	80.2	80.7	81.1	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.2
300	44.8	72.2	76.3	80.4	82.2	83.0	84.1	85.6	85.7	86.5	87.4	87.4	87.4	88.0	88.0	88.3
200	44.8	72.2	76.5	80.7	82.6	83.3	84.4	87.2	87.6	88.7	90.6	90.9	92.6	93.3	95.0	95.9
100	44.8	72.2	76.5	80.7	82.8	83.5	84.6	87.4	87.8	88.9	90.9	91.3	93.1	94.1	97.2	100.0
0	44.8	72.2	76.5	80.7	82.8	83.5	84.6	87.4	87.8	88.9	90.9	91.3	93.1	94.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS

540

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74, 78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
≥ 2000	20.9	31.9	32.1	32.5	32.7	32.7	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.3	33.7
≥ 1800	21.1	32.3	32.5	32.9	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.9	34.2
≥ 1600	21.1	32.3	32.5	32.9	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.9	34.2
≥ 1400	21.1	32.3	32.5	32.9	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.9	34.2
≥ 1200	21.1	32.3	32.5	32.9	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.9	34.2
≥ 1000	21.3	32.5	32.7	33.1	33.5	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.1	34.4
≥ 900	21.3	32.5	32.7	33.1	33.5	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.1	34.4
≥ 800	21.3	32.5	32.7	33.1	33.5	33.5	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.1	34.4
≥ 700	21.9	33.1	33.3	33.7	34.1	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	35.0
≥ 600	21.9	33.1	33.3	33.7	34.1	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	35.0
≥ 500	21.9	33.1	33.3	33.7	34.1	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	35.0
≥ 450	21.9	33.1	33.3	33.7	34.1	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	35.0
≥ 400	21.9	33.1	33.3	33.7	34.1	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	35.0
≥ 350	22.1	33.7	33.9	34.2	34.6	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.2	35.6
≥ 300	22.3	33.9	34.1	34.4	34.8	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.4	35.8
≥ 250	23.1	34.6	34.8	35.2	35.6	35.6	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.2	36.6
≥ 200	24.9	37.6	37.8	38.2	38.6	38.6	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2	39.6
≥ 180	25.4	39.1	39.3	39.7	40.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.7	41.1
≥ 160	27.0	42.1	42.3	42.7	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.6	44.0
≥ 140	28.4	47.9	48.1	48.5	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.9
≥ 120	29.2	50.9	51.1	51.5	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.8
≥ 100	29.4	52.4	52.6	53.0	53.4	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.4
≥ 80	29.5	55.0	55.2	55.6	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	57.0
≥ 60	30.1	56.6	56.8	57.1	57.5	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.5
≥ 40	30.7	60.3	60.5	60.9	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	62.2
≥ 30	30.9	64.4	65.0	65.9	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	67.3
≥ 20	31.5	66.3	66.7	70.3	70.6	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	72.0
≥ 10	31.5	67.1	69.7	72.6	73.6	74.0	74.4	75.1	75.1	75.3	75.5	75.5	75.5	75.5	75.7	76.1
≥ 5	31.5	67.1	69.7	73.6	75.7	76.7	77.9	80.2	80.6	81.6	82.0	82.6	83.0	84.1	88.1	91.4
≥ 0	31.5	67.1	69.7	73.6	75.9	76.9	78.3	81.2	81.6	83.0	83.0	84.1	84.5	86.3	93.3	100.0

TOTAL NUMBER OF OBSERVATIONS

511

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL 68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.6	36.8	37.2	37.8	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.3	38.4
≥2000	27.1	37.7	38.2	38.7	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.3	39.3	39.4
≥1800	27.2	37.7	38.2	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.3	39.3	39.4
≥1600	27.2	37.7	38.2	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.3	39.3	39.4
≥1400	27.3	37.9	38.4	39.0	39.2	39.2	39.2	39.3	39.3	39.4	39.4	39.4	39.4	39.5	39.5	39.6
≥1200	27.7	38.2	38.8	39.4	39.5	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.9	39.9	40.0
≥1000	27.9	38.5	39.0	39.7	39.8	39.9	40.0	40.0	40.0	40.1	40.1	40.2	40.2	40.2	40.3	40.4
≥900	27.9	38.6	39.1	39.8	39.9	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.5
≥800	27.9	38.6	39.2	39.8	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.4	40.5
≥700	28.1	38.8	39.3	40.0	40.2	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.5	40.5	40.6	40.7
≥600	28.1	39.0	39.5	40.2	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.7	40.7	40.8	40.9
≥500	28.2	39.0	39.6	40.2	40.4	40.4	40.5	40.5	40.6	40.6	40.6	40.7	40.7	40.7	40.8	40.9
≥450	28.4	39.1	39.7	40.3	40.5	40.5	40.6	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.9	41.0
≥400	28.4	39.1	39.7	40.3	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.9	41.0
≥350	28.7	39.5	40.0	40.7	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.2	41.2	41.2	41.3	41.4
≥300	29.2	40.0	40.5	41.2	41.3	41.4	41.5	41.5	41.5	41.6	41.6	41.7	41.7	41.7	41.8	41.9
≥250	29.9	40.9	41.4	42.1	42.2	42.3	42.4	42.4	42.4	42.5	42.5	42.6	42.6	42.6	42.7	42.8
≥200	32.0	43.7	44.2	44.9	45.1	45.1	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.5	45.5	45.6
≥1800	33.4	45.6	46.2	46.8	47.0	47.0	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.5
≥1600	35.6	48.9	49.5	50.2	50.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.8	50.9
≥1400	38.1	54.7	54.9	55.6	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.3	56.4
≥1200	39.6	58.7	59.6	60.5	60.7	60.7	60.9	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.2	61.3
≥1000	40.2	61.1	62.1	63.0	63.3	63.3	63.5	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.8	63.9
≥900	40.7	63.1	64.2	65.3	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9	66.0	66.0	66.1
≥800	41.1	65.3	66.6	68.3	68.6	68.7	68.8	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.2
≥700	41.5	67.7	69.7	71.7	72.3	72.5	72.6	72.7	72.7	72.7	72.8	72.9	72.9	73.0	73.1	73.2
≥600	41.8	70.1	72.7	75.9	77.0	77.3	77.6	77.8	77.8	77.9	78.0	78.0	78.1	78.1	78.2	78.3
≥500	41.8	70.9	74.2	78.6	80.3	80.8	81.5	81.9	82.0	82.2	82.3	82.4	82.4	82.5	82.5	82.6
≥450	41.9	71.4	74.8	79.9	82.2	83.1	84.1	85.2	85.4	85.9	86.4	86.6	86.9	87.0	87.3	87.5
≥400	41.9	71.4	74.8	80.2	82.8	83.8	85.1	86.8	87.2	88.0	88.8	89.4	90.0	90.5	91.2	91.8
≥350	41.9	71.4	74.8	80.3	82.9	83.9	85.3	87.2	87.6	88.5	89.5	90.1	90.9	91.6	92.5	93.4
≥300	41.9	71.4	74.8	80.3	82.9	83.9	85.3	87.2	87.6	88.5	89.5	90.1	90.9	91.6	92.5	93.4

TOTAL NUMBER OF OBSERVATIONS

5017

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70,73

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 20000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 18000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 16000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 14000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 12000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 10000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 9000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 8000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 7000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 6000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 5000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 4500	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 4000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 3500	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 3000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 2500	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 2000	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 1800	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 1500	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 1200	9.9	18.7	19.8	20.0	20.2	20.2	20.2	20.6	20.6	20.6	20.6	20.6	21.1	21.1	21.3	22.4
≥ 1000	10.1	18.9	20.0	20.2	20.4	20.4	20.4	20.9	20.9	20.9	20.9	20.9	21.3	21.3	21.3	22.9
≥ 900	10.1	19.6	20.6	20.9	21.1	21.1	21.1	21.5	21.5	21.5	21.5	21.5	21.9	21.9	22.2	23.2
≥ 800	10.1	20.9	21.9	22.2	22.4	22.4	22.4	22.8	22.8	22.8	22.8	22.8	23.2	23.2	23.4	24.5
≥ 700	10.1	22.4	23.4	23.7	23.9	23.9	23.9	24.3	24.3	24.3	24.3	24.3	24.7	24.7	24.9	26.0
≥ 600	10.1	23.7	24.7	24.9	25.2	25.2	25.2	25.6	25.6	25.6	25.6	25.6	26.0	26.0	26.2	27.3
≥ 500	10.8	26.2	27.5	27.7	28.0	28.0	28.0	28.4	28.4	28.4	28.4	28.4	28.8	28.8	29.0	30.1
≥ 400	11.0	28.7	30.8	34.0	35.1	35.7	35.9	36.6	36.6	36.6	36.6	36.6	37.0	37.0	37.2	38.3
≥ 300	11.0	30.8	34.4	40.0	42.6	43.9	44.3	45.4	45.4	45.4	45.4	45.4	46.5	46.5	46.9	48.0
≥ 200	11.0	30.8	34.4	41.9	46.2	49.0	51.4	54.6	54.6	55.5	57.2	57.4	59.1	59.1	64.3	66.5
≥ 100	11.0	30.8	34.4	41.9	46.7	49.9	53.1	56.3	56.8	58.9	61.1	61.7	65.2	65.6	78.7	98.1
≥ 0	11.0	30.8	34.4	41.9	46.7	49.9	53.1	56.3	56.8	58.9	61.1	61.7	65.4	65.8	78.9	100.0

TOTAL NUMBER OF OBSERVATIONS

405

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70-73

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	7.3	12.7	12.3	12.7	13.5	13.5	14.0	14.0	14.0	14.4	14.6	14.6	14.6	14.6	15.5	16.6
≥ 20000	7.3	12.5	12.5	12.9	13.8	13.8	14.2	14.2	14.2	14.6	14.6	14.6	14.6	14.6	15.7	16.6
≥ 18000	7.5	12.7	12.7	13.1	14.0	14.0	14.4	14.4	14.4	14.8	15.1	15.1	15.1	15.1	15.4	17.0
≥ 16000	7.5	12.7	12.9	13.3	14.2	14.2	14.6	14.6	14.6	15.1	15.3	15.3	15.3	15.3	16.1	17.4
≥ 14000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.4	17.4
≥ 12000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.4	17.4
≥ 10000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 9000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 8000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 7000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 6000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 5000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 4500	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 4000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 3500	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 3000	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 2500	7.5	12.7	12.9	13.3	14.4	14.4	14.8	14.8	14.8	15.3	15.5	15.5	15.5	15.5	16.3	17.4
≥ 2000	8.2	13.3	13.5	14.0	15.1	15.1	15.5	15.5	15.5	15.9	16.1	16.1	16.1	16.1	17.0	18.1
≥ 1800	8.2	13.3	13.5	14.0	15.1	15.1	15.5	15.5	15.5	15.9	16.1	16.1	16.1	16.1	17.0	18.1
≥ 1500	8.2	13.3	13.5	14.0	15.1	15.1	15.5	15.5	15.5	15.9	16.1	16.1	16.1	16.1	17.0	18.1
≥ 1200	8.2	13.3	13.5	14.0	15.1	15.1	15.5	15.5	15.5	15.9	16.1	16.1	16.1	16.1	17.0	18.1
≥ 1000	8.2	14.2	14.4	14.8	15.9	15.9	16.3	16.3	16.3	16.8	17.0	17.0	17.0	17.0	17.8	18.9
≥ 900	8.4	15.9	16.1	16.8	17.8	17.8	18.3	18.3	18.3	18.7	18.9	18.9	18.9	18.9	19.8	20.9
≥ 800	8.4	16.6	16.8	17.4	18.5	18.5	18.9	18.9	18.9	19.4	19.6	19.6	19.6	19.6	20.4	21.5
≥ 700	8.8	17.8	18.1	18.7	19.8	19.8	20.2	20.2	20.2	20.6	20.9	20.9	20.9	20.9	21.7	22.8
≥ 600	9.0	18.7	18.9	19.6	20.6	20.6	21.1	21.1	21.1	21.5	21.7	21.7	21.7	21.7	22.6	23.7
≥ 500	9.2	20.9	21.1	21.9	23.0	23.0	23.4	23.7	23.7	24.1	24.3	24.3	24.3	24.3	25.2	26.2
≥ 400	9.2	22.6	23.4	24.9	26.2	26.2	27.3	28.2	28.2	28.6	29.0	29.0	29.0	29.0	29.9	31.0
≥ 300	9.2	23.7	24.5	28.8	31.6	31.6	34.2	36.6	36.6	37.4	38.1	38.1	38.5	38.7	39.8	41.1
≥ 200	9.2	23.7	24.7	29.2	33.5	34.0	37.6	41.7	41.7	43.4	45.4	45.8	48.0	48.6	54.4	57.4
≥ 100	9.2	23.7	24.7	29.7	34.2	34.6	38.5	43.9	44.9	46.9	49.7	50.1	54.2	56.1	70.1	96.6
≥ 0	9.2	23.7	24.7	29.7	34.2	34.6	38.5	43.9	44.9	46.9	49.7	50.1	54.4	56.3	70.8	100.0

TOTAL NUMBER OF OBSERVATIONS

465

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	9.3	14.8	15.2	15.7	15.9	16.0	16.3	16.6	16.6	16.7	16.9	16.9	16.9	17.1	17.6	18.4
≥ 20000	9.3	14.8	15.2	15.7	15.9	16.0	16.3	16.6	16.6	16.7	16.9	16.9	16.9	17.1	17.6	18.4
≥ 18000	9.3	14.8	15.2	15.9	16.0	16.2	16.4	16.7	16.7	16.9	17.0	17.0	17.0	17.3	18.0	18.5
≥ 16000	9.3	14.8	15.2	15.9	16.0	16.2	16.4	16.7	16.7	16.9	17.0	17.0	17.0	17.3	18.0	18.5
≥ 14000	9.4	15.1	15.5	16.2	16.3	16.4	16.7	17.1	17.1	17.3	17.4	17.4	17.4	17.7	18.4	18.9
≥ 12000	9.8	15.6	16.2	17.0	17.4	17.5	17.8	18.2	18.2	18.4	18.5	18.5	18.5	18.8	19.5	20.0
≥ 10000	9.8	15.7	16.3	17.3	17.7	17.8	18.1	18.5	18.5	18.6	18.8	18.8	18.8	19.1	19.8	20.3
≥ 9000	9.8	15.7	16.3	17.3	17.7	17.8	18.1	18.5	18.5	18.6	18.8	18.8	18.8	19.1	19.8	20.3
≥ 8000	9.8	15.7	16.3	17.3	17.7	17.8	18.1	18.5	18.5	18.6	18.8	18.8	18.8	19.1	19.8	20.3
≥ 7000	9.8	15.9	16.4	17.4	17.8	18.0	18.4	18.8	18.8	18.9	19.1	19.1	19.1	19.3	20.0	20.6
≥ 6000	9.8	15.9	16.4	17.4	17.8	18.0	18.4	18.8	18.8	18.9	19.1	19.1	19.1	19.3	20.0	20.6
≥ 5000	9.8	15.9	16.4	17.5	18.0	18.1	18.5	18.9	18.9	19.1	19.2	19.2	19.2	19.5	20.2	20.7
≥ 4500	9.8	15.9	16.4	17.5	18.0	18.1	18.5	18.9	18.9	19.1	19.2	19.2	19.2	19.5	20.2	20.7
≥ 4000	9.8	15.9	16.4	17.5	18.0	18.1	18.5	18.9	18.9	19.1	19.2	19.2	19.2	19.5	20.2	20.7
≥ 3500	9.8	15.9	16.4	17.5	18.0	18.1	18.5	18.9	18.9	19.1	19.2	19.2	19.2	19.5	20.2	20.7
≥ 3000	9.8	15.9	16.4	17.5	18.0	18.1	18.5	18.9	18.9	19.1	19.2	19.2	19.2	19.5	20.2	20.7
≥ 2500	10.1	16.2	16.7	17.8	18.2	18.4	18.8	19.2	19.2	19.3	19.5	19.5	19.5	19.8	20.4	21.0
≥ 2000	10.5	16.6	17.1	18.2	18.6	18.8	19.2	19.6	19.6	19.8	19.9	19.9	19.9	20.2	20.9	21.4
≥ 1800	10.6	16.7	17.3	18.4	18.8	18.9	19.3	19.8	19.8	19.9	20.0	20.0	20.0	20.3	21.0	21.5
≥ 1500	10.6	16.9	17.4	18.5	18.9	19.1	19.5	19.9	19.9	20.0	20.2	20.2	20.2	20.4	21.1	21.7
≥ 1200	10.6	17.1	18.0	19.1	19.5	19.6	20.0	20.4	20.4	20.6	20.7	20.7	20.7	21.0	21.7	22.2
≥ 1000	11.2	18.4	19.3	20.4	20.9	21.0	21.4	21.8	21.8	22.0	22.1	22.1	22.1	22.4	23.1	23.9
≥ 900	11.5	19.2	20.3	21.4	22.0	22.2	22.7	23.1	23.1	23.2	23.3	23.3	23.3	23.6	24.3	24.9
≥ 800	12.2	20.3	21.5	23.1	23.6	23.9	24.3	24.7	24.7	24.9	25.0	25.0	25.0	25.3	26.0	26.5
≥ 700	12.4	21.3	22.7	24.2	24.9	25.1	25.6	26.1	26.1	26.2	26.4	26.4	26.4	26.7	27.3	27.9
≥ 600	12.6	22.0	23.6	26.2	27.2	27.5	27.9	28.5	28.5	28.6	28.7	28.7	28.7	29.0	29.7	30.2
≥ 500	12.6	23.3	25.7	28.9	30.7	31.1	31.8	32.6	32.6	32.7	32.9	32.9	32.9	33.1	34.1	34.7
≥ 400	12.6	23.9	26.8	32.5	35.9	36.9	39.0	41.2	41.2	41.7	42.0	42.0	42.1	42.4	43.4	44.1
≥ 300	12.6	24.0	27.1	34.3	39.1	40.3	43.2	47.9	48.2	50.1	51.4	51.7	53.0	53.5	55.5	56.6
≥ 200	12.6	24.0	27.1	34.3	39.8	41.4	44.8	51.2	51.9	55.0	57.5	58.6	61.9	63.1	70.4	73.5
≥ 100	12.6	24.0	27.1	34.3	39.9	41.6	44.9	51.5	52.6	56.1	59.1	60.6	65.3	67.7	80.9	96.4
≥ 0	12.6	24.0	27.1	34.3	39.9	41.6	44.9	51.5	52.6	56.2	59.3	60.8	65.5	67.8	81.4	100.0

TOTAL NUMBER OF OBSERVATIONS

724

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

444

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	30.1	44.2	45.4	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	30.1	44.2	45.4	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	30.1	44.9	46.1	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	30.4	45.2	46.5	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 14000	30.6	45.5	46.7	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	30.9	45.0	47.5	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 10000	31.0	46.1	47.6	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	31.0	46.1	47.6	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	31.0	46.1	47.6	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 7000	31.0	46.3	48.0	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	31.0	46.5	48.1	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 5000	31.0	46.8	48.5	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 4500	31.0	46.8	48.5	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 4000	31.0	46.8	48.5	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3500	31.0	46.8	48.5	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3000	31.1	47.0	48.6	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 2500	31.4	47.2	48.8	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 2000	31.6	47.5	49.1	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 1800	31.8	47.8	49.4	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1500	32.6	48.6	50.2	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1200	33.7	50.2	51.8	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1000	34.4	52.4	54.5	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 900	34.8	54.9	57.1	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 800	35.2	56.9	59.5	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 700	35.4	59.1	62.9	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 600	35.6	61.8	66.3	71.5	72.9	73.0	73.1	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 500	35.7	64.4	70.8	78.2	81.2	81.9	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 400	35.7	65.6	72.7	81.9	86.4	88.5	89.6	90.0	90.1	90.3	90.3	90.3	90.3	90.5	90.7	91.0
≥ 300	35.7	65.6	72.7	82.4	87.5	89.8	92.1	93.4	93.7	94.3	94.5	94.5	94.8	95.0	95.3	95.4
≥ 200	35.7	65.6	72.7	82.4	87.5	90.0	92.8	94.4	94.8	95.8	96.5	96.7	98.0	98.4	98.8	98.9
≥ 100	35.7	65.6	72.7	82.4	87.7	90.1	92.9	94.5	94.9	96.0	96.8	97.0	98.4	98.8	99.8	99.9
≥ 0	35.7	65.6	72.7	82.4	87.7	90.1	92.9	94.5	94.9	96.0	96.8	97.0	98.4	98.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS

807

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .02	≥ .01
NO CEILING	39.0	66.4	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 20000	39.4	67.3	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 18000	39.4	67.5	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 16000	39.4	67.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 14000	39.4	67.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 12000	39.4	68.0	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 10000	39.5	68.3	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	39.5	68.3	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	39.5	68.4	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 7000	39.5	68.5	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	39.5	69.0	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 5000	39.5	69.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4500	39.5	69.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	39.5	69.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 3500	39.5	69.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 3000	39.5	69.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 2500	39.5	69.1	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 2000	40.0	69.8	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 1800	40.4	70.1	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1500	41.0	71.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 1200	41.1	71.9	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 1000	42.3	75.1	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 900	43.4	78.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 800	43.5	81.9	84.4	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 700	43.6	83.4	86.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 600	43.7	85.9	89.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 500	43.7	88.5	92.8	96.0	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	43.7	89.0	93.7	97.1	98.1	98.4	98.5	98.8	98.8	98.8	98.8	98.9	98.9	99.0	99.0	99.1	99.1
IV 300	43.7	89.0	93.8	97.6	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.8	99.8	99.9	99.9
IV 200	43.7	89.0	93.8	97.6	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.6	99.8	99.9	99.9	100.0	100.0
IV 100	43.7	89.0	93.8	97.6	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.6	99.8	99.9	99.9	100.0	100.0
IV 0	43.7	89.0	93.8	97.6	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.6	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

807

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	33.4	51.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	34.3	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 18000	34.3	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	34.3	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	34.3	53.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	34.7	54.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	34.9	54.7	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	35.1	54.8	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 8000	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 7000	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 5000	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 4500	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 4000	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 3500	35.2	55.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 3000	35.2	55.1	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 2500	35.4	55.2	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 2000	35.4	55.4	56.6	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 1800	35.4	55.4	56.6	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 1500	35.6	55.8	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 1200	36.2	57.9	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 1000	36.9	60.2	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 900	39.0	65.9	67.5	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 800	39.2	70.3	72.9	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 700	39.9	75.6	79.0	81.4	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 600	40.3	79.4	83.4	87.2	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	40.5	82.0	87.0	93.1	94.2	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400	40.5	82.6	87.8	94.9	96.8	97.2	97.9	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	40.5	82.7	88.0	95.0	97.2	97.9	98.6	99.3	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	40.5	82.7	88.0	95.0	97.2	97.9	98.6	99.3	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	40.5	82.7	88.0	95.0	97.2	97.9	98.6	99.3	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	40.5	82.7	88.0	95.0	97.2	97.9	98.6	99.3	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

724

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70, 73-74

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	19.7	31.0	31.4	31.4	31.5	31.7	31.7	32.1	32.3	32.4	32.4	32.4	32.4	32.4	32.6	32.6
≥ 20000	19.9	31.2	31.5	31.5	31.7	31.9	31.9	32.3	32.4	32.6	32.6	32.6	32.6	32.6	32.8	32.8
≥ 18000	19.9	31.2	31.5	31.5	31.7	31.9	31.9	32.3	32.4	32.6	32.6	32.6	32.6	32.6	32.8	32.8
≥ 16000	19.9	31.2	31.5	31.5	31.7	31.9	31.9	32.3	32.4	32.6	32.6	32.6	32.6	32.6	32.8	32.8
≥ 14000	19.9	31.2	31.5	31.5	31.7	31.9	31.9	32.3	32.4	32.6	32.6	32.8	32.8	32.8	33.0	33.0
≥ 12000	20.1	31.5	31.9	31.9	32.1	32.3	32.4	32.8	33.0	33.2	33.3	33.3	33.3	33.3	33.5	33.5
≥ 10000	20.4	32.3	32.6	32.6	32.8	33.0	33.2	33.5	33.7	33.9	34.1	34.1	34.1	34.1	34.2	34.2
≥ 9000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 8000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 7000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 6000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 5000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 4500	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 4000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 3500	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 3000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 2500	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 2000	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 1800	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 1500	20.8	32.6	33.0	33.0	33.2	33.3	33.5	33.9	34.1	34.2	34.4	34.4	34.4	34.4	34.6	34.6
≥ 1200	21.1	33.3	33.7	33.7	33.9	34.1	34.2	34.6	34.8	34.9	35.1	35.1	35.1	35.1	35.3	35.3
≥ 1000	22.0	35.1	35.5	35.5	35.7	35.8	36.0	36.4	36.6	36.7	36.9	36.9	36.9	36.9	37.1	37.1
≥ 900	22.8	37.8	38.2	38.2	38.4	38.5	38.7	39.1	39.2	39.4	39.6	39.6	39.6	39.6	39.8	39.8
≥ 800	23.3	40.3	41.0	41.2	41.4	41.6	41.8	42.1	42.3	42.5	42.7	42.7	42.7	42.7	42.8	42.8
≥ 700	24.6	43.5	44.4	45.7	45.9	46.1	46.2	46.6	46.8	47.0	47.1	47.1	47.1	47.1	47.3	47.3
≥ 600	24.9	47.7	48.9	51.6	52.0	52.2	52.3	52.9	53.0	53.2	53.4	53.4	53.4	53.4	53.6	53.6
≥ 500	25.3	51.4	54.1	58.4	60.2	60.6	60.8	61.5	61.6	61.8	62.0	62.0	62.0	62.0	62.2	62.2
≥ 400	25.4	53.9	58.2	64.9	68.6	69.4	70.3	71.3	71.5	71.9	72.2	72.2	72.2	72.2	72.4	72.4
≥ 300	25.4	54.8	59.3	67.9	73.7	74.7	76.3	78.5	78.7	79.7	80.6	80.8	80.8	80.8	81.2	81.2
≥ 200	25.4	54.8	59.3	68.5	75.1	76.5	79.0	82.3	82.8	84.2	86.4	87.8	89.4	90.1	91.8	92.7
≥ 100	25.4	54.8	59.3	68.5	75.1	76.5	79.0	82.6	83.2	84.9	87.5	89.2	91.6	92.5	96.2	99.1
≥ 0	25.4	54.8	59.3	68.5	75.1	76.5	79.0	82.6	83.2	84.9	87.5	89.2	91.6	92.5	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS

558

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING	12.7	24.9	24.9	25.0	25.0	25.2	25.4	25.6	25.6	25.8	25.8	26.0	26.0	26.0	26.2	26.4
≥ 20000	12.7	24.9	24.9	25.0	25.0	25.2	25.4	25.6	25.6	25.8	25.8	26.0	26.0	26.0	26.2	26.4
IV 18000	12.7	24.9	24.9	25.0	25.0	25.2	25.4	25.6	25.6	25.8	25.8	26.0	26.0	26.0	26.2	26.4
IV 16000	12.7	24.9	24.9	25.0	25.0	25.2	25.4	25.6	25.6	25.8	25.8	26.0	26.0	26.0	26.2	26.4
IV 14000	12.7	25.0	25.0	25.2	25.2	25.4	25.6	25.8	25.8	26.0	26.0	26.2	26.2	26.2	26.4	26.6
IV 12000	12.7	25.4	25.4	25.6	25.6	25.8	26.0	26.2	26.2	26.4	26.4	26.6	26.6	26.6	26.8	26.9
IV 10000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 9000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 8000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 7000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 6000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 5000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 4500	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 4000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 3500	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 3000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 2500	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 2000	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 1800	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 1500	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 1200	12.9	25.6	25.6	25.8	25.8	26.0	26.2	26.4	26.4	26.6	26.6	26.8	26.8	26.8	26.9	27.1
IV 1000	12.9	26.2	26.2	26.4	26.4	26.6	26.6	26.8	26.8	27.1	27.1	27.3	27.3	27.3	27.5	27.7
≥ 900	13.1	27.5	27.5	27.7	27.7	27.9	28.1	28.3	28.3	28.5	28.5	28.7	28.7	28.7	28.8	29.0
≥ 800	13.1	29.0	29.0	29.2	29.2	29.4	29.6	29.8	29.8	30.0	30.0	30.2	30.2	30.2	30.4	30.6
≥ 700	13.1	31.1	31.1	31.3	31.3	31.5	31.7	31.9	31.9	32.1	32.1	32.3	32.3	32.3	32.4	32.6
≥ 600	13.7	33.8	33.8	34.3	34.3	34.7	34.9	35.1	35.1	35.3	35.3	35.5	35.5	35.5	35.7	35.9
≥ 500	14.2	38.1	38.7	39.8	40.0	40.2	40.4	40.6	40.6	40.8	40.8	41.0	41.0	41.0	41.2	41.4
≥ 400	14.2	42.3	43.6	47.6	48.6	49.1	49.5	49.7	49.7	49.9	49.9	50.1	50.1	50.1	50.3	50.5
≥ 300	14.2	43.8	45.7	53.1	55.8	57.7	58.3	59.0	59.0	59.4	59.6	59.8	59.8	59.8	60.0	60.2
≥ 200	14.2	44.8	47.2	55.8	61.3	63.6	65.5	67.9	68.7	69.6	71.2	71.7	72.7	73.8	76.3	78.9
≥ 100	14.2	44.8	47.2	55.8	61.5	63.9	66.2	69.4	70.4	73.6	76.1	77.0	78.6	79.9	86.9	97.5
≥ 0	14.2	44.8	47.2	55.8	61.5	63.9	66.2	69.4	70.4	73.6	76.1	77.0	78.6	79.9	87.3	100.0

TOTAL NUMBER OF OBSERVATIONS

527

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	22.1	35.9	36.7	37.1	37.3	37.3	37.4	37.6	37.6	37.7	37.7	37.8	37.8	37.8	38.1	38.4
≥ 20000	22.3	36.3	37.1	37.5	37.7	37.7	37.8	38.0	38.0	38.1	38.1	38.2	38.2	38.2	38.5	38.8
≥ 18000	22.4	36.4	37.2	37.6	37.8	37.9	38.0	38.1	38.1	38.2	38.3	38.3	38.3	38.4	38.6	38.9
≥ 16000	22.4	36.5	37.3	37.8	37.9	38.0	38.1	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.7	39.0
≥ 14000	22.5	36.7	37.5	37.9	38.1	38.2	38.3	38.4	38.4	38.5	38.6	38.6	38.6	38.7	38.9	39.2
≥ 12000	22.6	37.0	37.9	38.4	38.6	38.7	38.8	39.0	39.0	39.1	39.1	39.2	39.2	39.2	39.5	39.8
≥ 10000	22.8	37.3	38.2	38.7	38.9	39.0	39.1	39.3	39.3	39.4	39.5	39.5	39.5	39.6	39.8	40.1
≥ 9000	22.8	37.4	38.3	38.7	39.0	39.1	39.2	39.3	39.4	39.5	39.5	39.5	39.6	39.6	39.8	40.1
≥ 8000	22.8	37.4	38.3	38.8	39.0	39.1	39.2	39.4	39.4	39.5	39.6	39.6	39.6	39.6	39.9	40.2
≥ 7000	22.8	37.5	38.4	38.9	39.1	39.2	39.3	39.5	39.5	39.6	39.7	39.7	39.7	39.8	40.0	40.3
≥ 6000	22.8	37.6	38.5	39.0	39.2	39.3	39.4	39.6	39.6	39.7	39.8	39.8	39.8	39.9	40.1	40.4
≥ 5000	22.8	37.7	38.6	39.1	39.3	39.4	39.5	39.7	39.7	39.8	39.9	39.9	39.9	40.0	40.2	40.5
≥ 4500	22.8	37.7	38.6	39.1	39.3	39.4	39.5	39.7	39.7	39.8	39.9	39.9	39.9	40.0	40.2	40.5
≥ 4000	22.8	37.7	38.6	39.1	39.3	39.4	39.5	39.7	39.7	39.8	39.9	39.9	39.9	40.0	40.2	40.5
≥ 3500	22.8	37.7	38.6	39.1	39.3	39.4	39.5	39.7	39.7	39.8	39.9	39.9	39.9	40.0	40.2	40.5
≥ 3000	22.9	37.7	38.6	39.1	39.4	39.4	39.6	39.7	39.7	39.8	39.9	39.9	40.0	40.0	40.2	40.5
≥ 2500	23.0	37.8	38.7	39.2	39.5	39.5	39.7	39.8	39.8	39.9	40.0	40.0	40.1	40.1	40.3	40.6
≥ 2000	23.2	38.1	39.0	39.5	39.7	39.8	39.9	40.1	40.1	40.2	40.3	40.3	40.3	40.4	40.6	40.9
≥ 1800	23.3	38.2	39.1	39.6	39.9	39.9	40.1	40.2	40.3	40.4	40.4	40.4	40.5	40.5	40.8	41.0
≥ 1500	23.6	38.5	39.5	40.0	40.2	40.3	40.4	40.6	40.6	40.7	40.8	40.8	40.8	40.9	41.1	41.4
≥ 1200	23.9	39.4	40.3	40.8	41.0	41.1	41.3	41.4	41.4	41.5	41.6	41.6	41.7	41.7	41.9	42.2
≥ 1000	24.5	41.1	42.2	42.7	43.0	43.0	43.2	43.3	43.4	43.5	43.5	43.5	43.6	43.6	43.8	44.1
≥ 900	25.2	43.6	44.9	45.5	45.8	45.9	46.0	46.2	46.2	46.3	46.4	46.4	46.4	46.5	46.7	47.0
≥ 800	25.4	45.9	47.4	48.5	48.8	48.9	49.0	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.7	50.0
≥ 700	25.8	48.2	50.2	51.8	52.2	52.3	52.5	52.6	52.6	52.7	52.8	52.8	52.8	52.9	53.1	53.4
≥ 600	26.1	50.6	52.9	55.4	56.0	56.2	56.3	56.5	56.6	56.7	56.7	56.8	56.8	56.8	57.1	57.4
≥ 500	26.3	53.3	56.5	60.2	61.6	61.8	62.1	62.5	62.6	62.7	62.8	62.8	62.8	62.9	63.1	63.4
≥ 400	26.3	54.7	58.7	64.1	66.5	67.2	68.1	68.8	68.9	69.1	69.2	69.3	69.4	69.4	69.8	70.1
≥ 300	26.3	55.3	59.5	66.3	69.7	70.9	72.3	73.9	74.0	74.7	75.1	75.2	75.6	75.7	76.3	76.7
≥ 200	26.3	55.4	59.7	66.9	71.1	72.5	74.6	77.2	77.5	78.6	79.9	80.4	81.7	82.2	84.8	86.1
≥ 100	26.3	55.4	59.7	66.9	71.3	72.8	75.0	77.8	78.3	79.9	81.5	82.2	84.2	85.1	90.8	98.6
≥ 0	26.3	55.4	59.7	66.9	71.3	72.8	75.0	77.8	78.3	80.0	81.5	82.3	84.3	85.1	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS

5077

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73, 78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	10.5	16.9	17.1	18.6	19.9	19.9	20.3	20.5	20.7	21.4	21.4	21.4	22.0	22.0	22.2	22.9
≥ 20000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 18000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 16000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 14000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 12000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 10000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 9000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 8000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 7000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 6000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 5000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 4500	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 4000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 3500	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 3000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 2500	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 2000	10.5	17.1	17.3	18.8	20.1	20.1	20.5	20.7	20.9	21.6	21.6	21.6	22.2	22.2	22.4	23.1
≥ 1800	10.5	17.3	17.5	19.0	20.3	20.3	20.7	20.9	21.2	21.8	21.8	21.8	22.4	22.4	22.6	23.3
≥ 1500	10.5	17.3	17.5	19.0	20.3	20.3	20.7	20.9	21.2	21.8	21.8	21.8	22.4	22.4	22.6	23.3
≥ 1200	10.5	17.3	17.5	19.0	20.3	20.3	20.7	20.9	21.2	21.8	21.8	21.8	22.4	22.4	22.6	23.3
≥ 1000	10.5	17.9	18.2	19.7	20.9	20.9	21.4	21.6	21.8	22.4	22.4	22.4	23.1	23.1	23.3	23.9
≥ 900	10.5	18.6	18.8	20.3	21.6	21.6	22.0	22.2	22.4	23.1	23.1	23.1	23.7	23.7	23.9	24.6
≥ 800	10.5	18.6	18.8	20.3	21.6	21.6	22.0	22.2	22.4	23.1	23.1	23.1	23.7	23.7	23.9	24.6
≥ 700	10.9	19.7	19.9	21.4	22.6	22.6	23.1	23.3	23.5	24.1	24.1	24.1	24.8	24.8	25.0	25.6
≥ 600	10.9	21.2	21.4	22.9	24.1	24.1	24.6	24.8	25.0	25.6	25.6	25.6	26.3	26.3	26.5	27.1
≥ 500	11.5	22.9	23.1	25.0	26.3	26.3	26.7	26.9	27.1	27.8	27.8	27.8	28.4	28.4	28.6	29.3
≥ 400	11.5	25.9	26.7	30.8	32.5	32.5	33.1	33.3	33.5	34.2	34.2	34.2	34.8	34.8	35.0	35.7
≥ 300	11.5	26.9	28.2	33.8	38.0	38.7	39.3	40.0	40.2	40.8	40.8	40.8	41.7	41.7	42.1	42.7
≥ 200	11.5	26.9	28.2	34.6	39.5	40.6	41.7	46.6	48.3	51.1	52.4	52.8	55.3	55.3	59.8	62.0
≥ 100	11.5	26.9	28.2	34.6	40.0	41.2	42.3	47.9	49.8	52.8	54.7	55.8	59.8	60.5	74.6	98.5
≥ 0	11.5	26.9	28.2	34.6	40.0	41.2	42.3	47.9	49.8	52.8	54.7	55.8	59.8	60.5	74.6	100.0

TOTAL NUMBER OF OBSERVATIONS

468

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/11AC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73, 78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING	7.1	11.8	11.8	12.0	12.7	12.7	12.9	12.9	13.5	13.7	14.2	14.4	14.6	14.8	15.9	16.5
≥ 20000	7.1	11.8	11.8	12.0	12.7	12.7	12.9	12.9	13.5	13.7	14.2	14.4	14.6	14.8	15.9	16.5
≥ 18000	7.1	11.8	11.8	12.0	12.7	12.7	12.9	12.9	13.5	13.7	14.2	14.4	14.6	14.8	15.9	16.5
≥ 16000	7.1	11.8	11.8	12.0	12.7	12.7	12.9	12.9	13.5	13.7	14.2	14.4	14.6	14.8	15.9	16.5
≥ 14000	7.1	11.8	11.8	12.0	12.7	12.7	12.9	12.9	13.5	13.7	14.2	14.4	14.6	14.8	15.9	16.5
≥ 12000	7.1	11.8	11.8	12.0	12.7	12.7	12.9	12.9	13.5	13.7	14.2	14.4	14.6	14.8	15.9	16.5
≥ 10000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 9000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 8000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 7000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 6000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 5000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 4500	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 4000	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 3500	7.1	12.0	12.0	12.2	12.9	12.9	13.1	13.1	13.7	13.9	14.4	14.6	14.8	15.0	16.1	16.7
≥ 3000	7.1	12.2	12.2	12.4	13.1	13.1	13.3	13.3	13.9	14.2	14.6	14.8	15.0	15.2	16.3	17.0
≥ 2500	7.1	12.7	12.7	12.9	13.5	13.5	13.7	13.7	14.4	14.6	15.0	15.2	15.5	15.7	16.7	17.4
≥ 2000	7.1	13.3	13.3	13.5	14.2	14.2	14.4	14.4	15.0	15.2	15.7	15.9	16.1	16.3	17.4	18.0
≥ 1800	7.1	13.3	13.3	13.5	14.2	14.2	14.4	14.4	15.0	15.2	15.7	15.9	16.1	16.3	17.4	18.0
≥ 1500	7.1	13.5	13.5	13.7	14.4	14.4	14.6	14.6	15.2	15.5	15.9	16.1	16.3	16.5	17.6	18.2
≥ 1200	7.1	13.5	13.5	13.7	14.4	14.4	14.6	14.6	15.2	15.5	15.9	16.1	16.3	16.5	17.6	18.2
≥ 1000	7.1	13.5	13.5	13.7	14.4	14.4	14.6	14.6	15.2	15.5	15.9	16.1	16.3	16.5	17.6	18.2
≥ 900	7.1	14.2	14.2	14.4	15.0	15.0	15.2	15.2	15.9	16.1	16.5	16.7	17.0	17.2	18.2	18.9
≥ 800	7.1	14.4	14.4	14.6	15.2	15.2	15.5	15.5	16.1	16.3	16.7	17.0	17.2	17.4	18.5	19.1
≥ 700	7.1	14.6	14.6	14.8	15.5	15.5	15.7	15.7	16.3	16.5	17.0	17.2	17.4	17.6	18.7	19.3
≥ 600	7.1	15.9	15.9	16.1	16.7	16.7	17.0	17.0	17.6	17.8	18.2	18.5	18.7	18.9	20.0	20.6
≥ 500	7.1	17.2	17.2	17.4	18.0	18.0	18.2	18.2	18.9	19.1	19.5	19.7	20.0	20.2	21.2	21.9
≥ 400	7.1	19.1	19.3	20.6	21.5	21.5	21.9	21.9	22.5	22.7	23.4	23.6	23.8	24.0	25.1	25.8
≥ 300	7.1	19.5	19.7	23.2	24.7	24.9	25.8	27.3	28.1	28.5	29.4	29.6	29.8	30.3	31.3	32.4
≥ 200	7.1	19.7	20.0	24.5	27.3	27.9	29.8	32.6	33.7	35.2	36.7	37.3	39.3	40.1	42.5	43.1
≥ 100	7.1	19.7	20.0	24.5	27.5	28.3	30.5	33.7	35.4	37.1	39.1	40.3	43.3	45.3	48.9	49.0
≥ 0	7.1	19.7	20.0	24.5	27.5	28.3	30.5	33.7	35.4	37.1	39.1	40.3	43.3	45.3	48.9	49.0

TOTAL NUMBER OF OBSERVATIONS

406

USAF ETAC

D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO. CEILING	8.1	11.2	12.0	12.4	12.6	12.9	13.1	13.1	13.1	13.4	13.5	13.8	13.9	14.5	15.3	
≥ 20000	8.1	11.2	12.0	12.4	12.6	12.9	13.1	13.1	13.1	13.4	13.5	13.8	13.9	14.5	15.3	
≥ 18000	8.1	11.4	12.2	12.6	12.7	13.0	13.3	13.3	13.3	13.5	13.7	13.9	14.1	14.6	15.4	
≥ 16000	8.1	11.4	12.2	12.6	12.7	13.0	13.3	13.3	13.3	13.5	13.7	13.9	14.1	14.6	15.4	
≥ 14000	8.1	11.5	12.3	12.7	13.0	13.3	13.7	13.7	13.7	13.9	14.1	14.3	14.5	15.0	15.8	
≥ 12000	8.1	11.6	12.4	12.9	13.1	13.4	13.9	13.9	13.9	14.2	14.3	14.6	14.7	15.3	16.1	
≥ 10000	8.4	12.3	13.1	13.5	13.8	14.1	14.6	14.6	14.6	14.8	15.0	15.3	15.4	16.0	16.8	
≥ 9000	8.4	12.3	13.1	13.5	13.8	14.1	14.6	14.6	14.6	14.9	15.0	15.3	15.4	16.0	16.8	
≥ 8000	8.7	12.6	13.4	13.8	14.1	14.3	14.9	14.9	14.9	14.9	15.2	15.3	15.6	15.7	16.2	17.1
≥ 7000	8.7	12.6	13.4	13.8	14.1	14.3	14.9	14.9	14.9	14.9	15.2	15.3	15.6	15.7	16.2	17.1
≥ 6000	8.7	12.6	13.4	13.8	14.1	14.3	14.9	14.9	14.9	14.9	15.2	15.3	15.6	15.7	16.2	17.1
≥ 5000	8.7	12.6	13.4	13.8	14.1	14.3	14.9	14.9	14.9	14.9	15.2	15.3	15.6	15.7	16.2	17.1
≥ 4500	8.7	12.6	13.4	13.8	14.1	14.3	14.9	14.9	14.9	14.9	15.2	15.3	15.6	15.7	16.2	17.1
≥ 4000	8.8	12.7	13.5	13.9	14.2	14.5	15.0	15.0	15.0	15.3	15.4	15.7	15.8	16.4	17.2	
≥ 3500	8.9	12.9	13.7	14.1	14.3	14.6	15.2	15.2	15.2	15.4	15.6	15.8	16.0	16.5	17.3	
≥ 3000	9.1	13.0	13.8	14.2	14.5	14.7	15.3	15.3	15.3	15.5	15.6	15.7	16.0	16.5	17.3	
≥ 2500	9.3	13.3	14.1	14.5	14.7	15.0	15.6	15.6	15.6	15.6	15.8	16.0	16.2	16.6	16.9	17.7
≥ 2000	9.3	13.3	14.1	14.5	14.7	15.0	15.6	15.6	15.6	15.6	15.8	16.0	16.2	16.6	16.9	17.7
≥ 1800	9.3	13.3	14.1	14.5	14.7	15.0	15.6	15.6	15.6	15.6	15.8	16.0	16.2	16.6	16.9	17.7
≥ 1500	9.5	14.1	15.0	15.4	15.7	16.0	16.5	16.5	16.5	16.5	16.8	16.9	17.2	17.3	17.9	18.7
≥ 1200	9.7	14.7	15.8	16.2	16.5	16.8	17.3	17.3	17.3	17.3	17.6	17.7	18.0	18.1	18.7	19.5
≥ 1000	9.9	15.4	16.5	16.9	17.2	17.5	18.1	18.1	18.1	18.1	18.4	18.5	18.8	18.9	19.5	20.3
≥ 900	10.3	15.8	16.9	17.3	17.6	17.9	18.5	18.5	18.5	18.5	18.8	18.9	19.2	19.4	19.9	20.7
≥ 800	10.6	17.3	18.4	19.1	19.6	19.9	20.6	20.6	20.6	20.6	20.8	21.0	21.2	21.4	21.9	22.7
≥ 700	10.7	18.4	19.5	20.3	21.0	21.5	22.3	22.3	22.3	22.3	22.6	22.7	23.0	23.1	23.7	24.5
≥ 600	10.7	18.4	19.5	20.3	21.0	21.5	22.3	22.3	22.3	22.3	22.6	22.7	23.0	23.1	23.7	24.5
≥ 500	10.7	19.9	22.1	24.8	27.5	28.7	29.9	29.9	29.9	29.9	30.2	30.4	30.9	31.0	31.5	32.3
≥ 400	10.7	20.2	23.1	26.9	31.0	32.5	34.6	36.0	36.1	36.4	36.9	37.5	38.2	38.4	39.1	39.9
≥ 300	10.7	20.3	23.4	28.0	33.7	36.7	40.7	44.4	44.7	45.9	48.2	49.3	50.3	51.6	52.5	54.7
≥ 200	10.7	20.3	23.4	28.0	34.0	37.8	43.2	48.6	49.5	51.6	54.9	57.2	61.0	64.3	78.3	98.1
≥ 100	10.7	20.3	23.4	28.0	34.0	37.8	43.2	48.6	49.5	51.6	54.9	57.2	61.0	64.3	78.3	98.1
≥ 0	10.7	20.3	23.4	28.0	34.0	37.8	43.2	48.6	49.5	51.6	54.9	57.2	61.0	64.3	78.3	98.1

TOTAL NUMBER OF OBSERVATIONS

739

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

ADG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	21.3	40.0	41.9	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	21.7	40.4	42.4	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000	22.0	40.9	42.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000	22.0	40.9	42.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000	22.0	41.0	43.1	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 12000	22.5	42.1	44.2	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	22.7	42.5	44.5	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 9000	22.7	42.5	44.5	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 8000	23.1	42.8	44.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 7000	23.2	43.0	45.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	23.2	43.0	45.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000	23.3	43.1	45.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 4500	23.6	43.3	45.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4000	23.6	43.3	45.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 3500	23.6	43.3	45.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 3000	23.6	43.3	45.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 2500	23.6	43.3	45.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 2000	23.7	43.6	45.7	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 1800	23.8	43.8	46.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1500	24.2	44.5	46.8	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 1200	25.0	46.2	48.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 1000	25.8	49.6	52.0	53.4	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 900	26.1	52.0	54.0	56.3	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 800	26.5	54.6	58.0	60.5	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 700	26.6	55.9	61.7	65.1	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 600	26.6	59.6	65.6	70.6	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 500	26.6	60.0	68.7	77.1	79.7	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 400	26.6	60.8	70.0	81.1	83.7	87.1	88.8	90.1	90.1	90.1	90.1	90.4	90.5	90.5	90.5	90.5
≥ 300	26.6	60.9	70.2	81.9	87.0	88.7	91.5	94.1	94.3	94.7	95.3	95.5	95.8	95.8	96.1	96.1
≥ 200	26.6	60.9	70.2	81.9	87.0	89.0	91.8	95.2	95.4	95.9	96.9	97.4	98.2	98.2	98.9	99.0
≥ 100	26.6	60.9	70.2	81.9	87.0	89.0	91.8	95.2	95.4	95.9	96.9	97.4	98.2	98.3	99.4	100.0
≥ 0	26.6	60.9	70.2	81.9	87.0	89.0	91.8	95.2	95.4	95.9	96.9	97.4	98.2	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

831

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	32.6	51.2	53.1	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	33.0	52.1	54.0	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	33.0	52.1	54.0	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	33.0	52.1	54.0	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	33.0	52.4	54.3	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	33.1	52.9	54.8	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 10000	33.1	53.1	55.0	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	33.2	53.2	55.1	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 8000	33.5	53.5	55.4	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 7000	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4500	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4000	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3500	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3000	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 2500	33.8	53.7	55.6	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 2000	34.1	54.0	55.9	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1800	34.2	54.1	56.0	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 1500	35.3	55.8	57.7	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 1200	36.6	58.2	60.1	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 1000	37.9	62.3	64.2	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 900	39.2	66.2	68.1	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 800	39.9	68.4	71.5	72.6	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 700	40.3	72.3	76.7	78.6	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 600	40.7	77.5	83.4	87.2	87.9	88.2	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5
≥ 500	40.7	79.9	87.0	92.0	93.4	93.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 400	40.7	80.5	87.8	93.2	95.5	96.2	96.9	97.0	97.0	97.6	97.6	97.7	97.7	97.7	97.7	97.7
≥ 300	40.7	80.6	88.1	93.9	96.3	97.0	97.7	98.2	98.2	98.9	98.9	99.1	99.1	99.1	99.2	99.3
≥ 200	40.7	80.6	88.1	93.9	96.3	97.0	97.7	98.5	98.5	99.3	99.3	99.5	99.5	99.5	99.9	100.0
≥ 100	40.7	80.6	88.1	93.9	96.3	97.0	97.7	98.5	98.5	99.3	99.3	99.5	99.5	99.5	99.9	100.0
≥ 0	40.7	80.6	88.1	93.9	96.3	97.0	97.7	98.5	98.5	99.3	99.3	99.5	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

737

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	17.7	27.1	27.6	28.3	28.7	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 20000	17.7	27.1	27.6	28.3	28.7	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 18000	17.7	27.1	27.6	28.3	28.7	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 16000	17.7	27.1	27.6	28.3	28.7	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 14000	17.7	27.2	27.8	28.5	28.9	28.9	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 12000	17.9	27.4	28.0	28.7	29.0	29.0	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 10000	18.3	27.8	28.3	29.0	29.4	29.4	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 9000	18.3	27.8	28.3	29.0	29.4	29.4	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 8000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 7000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 6000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 5000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 4500	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 4000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 3500	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 3000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 2500	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 2000	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 1800	18.5	28.0	28.5	29.2	29.6	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 1500	18.5	28.1	28.7	29.4	29.7	29.7	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 1200	18.8	29.0	29.6	30.3	30.6	30.6	30.8	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 1000	19.9	32.1	32.6	33.3	33.7	33.7	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 900	20.4	33.3	33.9	34.6	34.9	34.9	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 800	20.8	34.4	34.9	35.7	36.0	36.0	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 700	21.3	36.9	37.8	38.5	38.9	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 600	21.7	41.2	43.7	44.4	45.0	45.0	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 500	21.7	46.8	52.0	54.5	55.9	56.3	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 400	21.7	49.8	55.7	62.4	66.1	66.5	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 300	21.7	50.7	56.8	65.1	72.2	73.3	74.9	76.5	77.1	77.4	77.6	77.6	78.1	78.1	78.9	78.9
≥ 200	21.7	50.7	56.8	65.2	72.8	74.2	77.1	80.3	81.2	83.0	83.9	84.6	86.4	86.9	90.1	91.0
≥ 100	21.7	50.7	57.0	65.4	72.9	74.6	77.4	80.8	81.9	84.1	85.7	86.6	89.6	90.7	95.9	100.0
≥ 0	21.7	50.7	57.0	65.4	72.9	74.6	77.4	80.8	81.9	84.1	85.7	86.6	89.6	90.7	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS

558

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	12.9	22.9	24.1	25.2	25.4	25.6	25.8	25.9	25.9	26.1	26.1	26.1	26.5	26.5	26.7	26.7
≥ 20000	13.4	23.5	24.6	25.8	25.9	26.1	26.3	26.5	26.5	26.7	26.7	26.7	27.1	27.1	27.3	27.3
≥ 18000	13.4	23.7	24.8	25.9	26.1	26.3	26.5	26.7	26.7	26.9	26.9	26.9	27.3	27.3	27.5	27.5
≥ 16000	13.4	23.7	24.8	25.9	26.1	26.3	26.5	26.7	26.7	26.9	26.9	26.9	27.3	27.3	27.5	27.5
≥ 14000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 12000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 10000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 9000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 8000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 7000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 6000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 5000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 4500	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 4000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 3500	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 3000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 2500	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 2000	13.4	24.1	25.2	26.3	26.5	26.7	26.9	27.1	27.1	27.3	27.3	27.3	27.7	27.7	27.8	27.8
≥ 1800	13.4	24.6	25.8	26.9	27.1	27.3	27.5	27.7	27.8	27.8	28.0	28.0	28.4	28.4	28.6	28.6
≥ 1500	13.4	24.6	25.9	27.1	27.3	27.5	27.7	27.8	27.8	28.0	28.0	28.0	28.4	28.4	28.6	28.6
≥ 1200	13.6	25.2	26.7	27.8	28.0	28.2	28.4	28.6	28.6	28.8	28.8	28.8	29.2	29.2	29.4	29.4
≥ 1000	13.8	25.6	27.1	28.2	28.4	28.6	28.8	29.0	29.0	29.2	29.2	29.2	29.5	29.5	29.7	29.7
≥ 900	14.4	27.1	28.6	29.7	29.9	30.1	30.3	30.5	30.5	30.7	30.7	30.7	31.1	31.1	31.3	31.3
≥ 800	14.6	27.7	29.2	30.3	30.5	30.7	30.9	31.1	31.1	31.3	31.3	31.3	31.6	31.6	31.8	31.8
≥ 700	15.0	28.4	29.9	31.1	31.3	31.4	31.6	31.8	31.8	32.0	32.0	32.0	32.4	32.4	32.6	32.6
≥ 600	15.3	31.3	33.0	34.1	34.3	34.5	34.7	34.8	34.8	35.0	35.0	35.0	35.4	35.4	35.6	35.6
≥ 500	15.3	35.0	37.1	38.6	38.8	39.0	39.2	39.4	39.4	39.6	39.6	39.6	40.0	40.0	40.2	40.2
≥ 400	15.3	39.4	42.4	46.6	47.5	47.9	48.3	48.7	48.7	49.1	49.1	49.1	49.4	49.4	49.6	49.6
≥ 300	15.3	42.4	45.8	52.1	53.9	56.6	57.2	57.8	57.8	58.3	58.5	58.5	58.9	58.9	59.1	59.1
≥ 200	15.3	42.8	46.4	53.4	58.0	58.9	61.6	64.8	65.3	66.3	68.4	68.8	70.8	71.0	74.6	75.8
≥ 100	15.3	42.8	46.4	54.0	59.1	60.4	63.1	66.5	67.2	68.8	71.0	72.5	76.5	77.5	86.7	98.1
≥ 0	15.3	42.8	46.4	54.0	59.1	60.4	63.1	66.5	67.2	68.8	71.0	72.5	76.5	77.5	87.1	100.0

TOTAL NUMBER OF OBSERVATIONS

528

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214 VANDENBERG AFB CA

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	20.3	33.7	34.8	35.0	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.1
≥ 20000	20.7	34.2	35.3	36.1	36.5	36.5	36.7	36.7	36.8	36.9	37.0	37.0	37.2	37.2	37.4	37.7
≥ 18000	20.8	34.3	35.4	36.3	36.6	36.7	36.8	36.9	36.9	37.0	37.1	37.2	37.3	37.3	37.6	37.8
≥ 16000	20.8	34.3	35.4	36.3	36.6	36.7	36.8	36.9	36.9	37.0	37.1	37.2	37.3	37.3	37.6	37.8
≥ 14000	20.8	34.3	35.7	36.5	36.8	36.9	37.1	37.1	37.2	37.3	37.4	37.4	37.6	37.6	37.8	38.0
≥ 12000	21.0	34.9	36.0	36.9	37.2	37.3	37.5	37.5	37.6	37.7	37.8	37.8	38.0	38.0	38.2	38.5
≥ 10000	21.1	35.2	36.3	37.2	37.6	37.7	37.8	37.9	38.0	38.1	38.1	38.2	38.3	38.4	38.6	38.8
≥ 9000	21.1	35.2	36.3	37.2	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.4	38.6	38.8
≥ 8000	21.3	35.4	36.5	37.5	37.8	37.9	38.1	38.1	38.2	38.3	38.4	38.4	38.6	38.6	38.8	39.1
≥ 7000	21.4	35.5	36.6	37.5	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.5	38.6	38.7	38.9	39.1
≥ 6000	21.4	35.5	36.6	37.6	37.9	38.0	38.2	38.2	38.3	38.4	38.5	38.5	38.7	38.7	38.9	39.1
≥ 5000	21.4	35.5	36.7	37.6	37.9	38.0	38.2	38.2	38.3	38.4	38.5	38.5	38.7	38.7	38.9	39.2
≥ 4500	21.5	35.6	36.7	37.7	38.0	38.1	38.3	38.3	38.4	38.5	38.6	38.6	38.8	38.8	39.0	39.2
≥ 4000	21.5	35.6	36.8	37.7	38.0	38.1	38.3	38.3	38.4	38.5	38.6	38.6	38.8	38.8	39.0	39.3
≥ 3500	21.6	35.6	36.8	37.7	38.1	38.1	38.3	38.4	38.4	38.5	38.6	38.6	38.8	38.8	39.1	39.3
≥ 3000	21.6	35.7	36.8	37.8	38.1	38.2	38.4	38.4	38.5	38.6	38.7	38.7	38.9	38.9	39.1	39.3
≥ 2500	21.6	35.8	36.9	37.8	38.2	38.3	38.5	38.5	38.6	38.7	38.8	38.8	39.0	39.0	39.2	39.4
≥ 2000	21.8	36.1	37.2	38.1	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.1	39.2	39.3	39.5	39.7
≥ 1800	21.9	36.3	37.5	38.4	38.8	38.9	39.0	39.1	39.2	39.3	39.3	39.4	39.5	39.6	39.8	40.0
≥ 1500	22.3	37.0	38.3	39.2	39.5	39.6	39.8	39.8	39.9	40.0	40.1	40.1	40.3	40.3	40.5	40.8
≥ 1200	22.9	38.4	39.6	40.5	40.9	41.0	41.1	41.2	41.3	41.4	41.4	41.5	41.6	41.7	41.9	42.1
≥ 1000	23.4	40.5	41.8	42.7	43.1	43.2	43.4	43.5	43.6	43.7	43.8	43.8	43.9	44.0	44.2	44.4
≥ 900	23.9	42.5	43.9	45.0	45.4	45.5	45.7	45.7	45.8	45.9	46.0	46.0	46.2	46.2	46.4	46.7
≥ 800	24.2	43.9	45.7	47.0	47.5	47.6	47.8	47.9	48.0	48.1	48.1	48.2	48.3	48.4	48.6	48.8
≥ 700	24.4	45.8	48.0	49.7	50.3	50.4	50.7	50.7	50.8	50.9	51.0	51.0	51.2	51.2	51.4	51.6
≥ 600	24.6	48.2	51.4	53.7	54.6	54.7	55.0	55.1	55.1	55.3	55.3	55.4	55.6	55.6	55.8	56.0
≥ 500	24.6	50.1	54.4	58.1	59.6	60.0	60.4	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.2	61.4
≥ 400	24.6	51.6	56.5	61.9	64.6	65.2	66.2	66.7	66.8	67.0	67.2	67.4	67.6	67.6	67.9	68.1
≥ 300	24.6	52.2	57.3	63.7	67.7	68.8	70.4	71.9	72.1	72.6	73.2	73.4	73.8	74.0	74.5	74.9
≥ 200	24.6	52.3	57.4	64.1	68.4	69.8	72.0	74.9	75.5	76.6	77.8	78.4	79.8	80.2	82.8	84.4
≥ 100	24.6	52.3	57.4	64.1	68.6	70.1	72.4	75.4	76.1	77.4	78.8	79.7	81.7	82.7	89.4	99.1
≥ 0	24.6	52.3	57.4	64.1	68.6	70.1	72.4	75.4	76.1	77.4	78.8	79.7	81.8	82.7	89.5	100.0

TOTAL NUMBER OF OBSERVATIONS

5152

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70
YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.8	33.9	33.9	34.4	34.7	34.7	34.7	35.0	35.0	35.0	35.0	35.3	35.6	35.8	36.1	38.1
≥ 20000	22.8	33.9	33.9	34.4	34.7	34.7	34.7	35.0	35.0	35.0	35.0	35.3	35.6	35.8	36.1	38.3
≥ 18000	22.8	33.9	33.9	34.4	34.7	34.7	34.7	35.0	35.0	35.0	35.0	35.3	35.6	35.8	36.1	38.3
≥ 16000	22.8	33.9	33.9	34.4	34.7	34.7	34.7	35.0	35.0	35.0	35.0	35.3	35.6	35.8	36.1	38.3
≥ 14000	22.8	33.9	33.9	34.4	34.7	34.7	34.7	35.0	35.0	35.0	35.0	35.3	35.6	35.8	36.1	38.3
≥ 12000	22.8	33.9	34.2	34.7	35.0	35.0	35.0	35.3	35.3	35.3	35.3	35.6	35.8	36.1	36.4	38.6
≥ 10000	23.1	34.2	34.4	35.0	35.3	35.3	35.3	35.6	35.6	35.6	35.6	35.8	36.1	36.4	36.7	38.9
≥ 9000	23.1	34.2	34.4	35.0	35.3	35.3	35.3	35.6	35.6	35.6	35.6	35.8	36.1	36.4	36.7	38.9
≥ 8000	23.1	34.2	34.4	35.0	35.3	35.3	35.3	35.6	35.6	35.6	35.6	35.8	36.1	36.4	36.7	38.9
≥ 7000	23.1	34.2	34.4	35.0	35.3	35.3	35.3	35.6	35.6	35.6	35.6	35.8	36.1	36.4	36.7	38.9
≥ 6000	23.1	35.0	35.3	35.8	36.1	36.1	36.1	36.4	36.4	36.4	36.4	36.7	36.9	37.2	37.5	39.7
≥ 5000	23.1	35.0	35.3	35.8	36.1	36.1	36.1	36.4	36.4	36.4	36.4	36.7	36.9	37.2	37.5	39.7
≥ 4500	23.1	35.0	35.3	35.8	36.1	36.1	36.1	36.4	36.4	36.4	36.4	36.7	36.9	37.2	37.5	39.7
≥ 4000	23.1	35.0	35.3	36.1	36.4	36.4	36.4	36.7	36.7	36.7	36.7	36.9	37.2	37.5	37.8	40.0
≥ 3500	23.1	35.0	35.3	36.1	36.4	36.4	36.4	36.7	36.7	36.7	36.7	36.9	37.2	37.5	37.8	40.0
≥ 3000	23.6	35.6	35.8	36.7	36.9	36.9	36.9	37.2	37.2	37.2	37.2	37.5	37.8	38.1	38.3	40.6
≥ 2500	23.9	35.8	36.1	36.9	37.2	37.2	37.2	37.5	37.5	37.5	37.5	37.8	38.1	38.3	38.6	40.8
≥ 2000	23.9	36.1	36.4	37.2	37.5	37.5	37.5	37.8	37.8	37.8	37.8	38.1	38.3	38.6	38.9	41.1
≥ 1800	23.9	36.7	36.9	37.8	38.1	38.1	38.1	38.3	38.3	38.3	38.3	38.6	38.9	39.2	39.4	41.7
≥ 1500	24.2	37.8	38.1	38.9	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.7	40.0	40.3	40.6	42.8
≥ 1200	24.2	38.9	39.2	40.0	40.3	40.3	40.3	40.6	40.6	40.6	40.6	40.9	41.1	41.4	41.7	43.9
≥ 1000	24.2	39.4	39.7	40.8	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.7	41.9	42.2	42.5	44.7
≥ 900	24.2	39.4	39.7	40.8	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.7	41.9	42.2	42.5	44.7
≥ 800	24.2	40.0	40.3	41.4	41.7	41.7	41.7	41.9	41.9	41.9	41.9	42.2	42.5	42.8	43.1	45.3
≥ 700	24.2	40.3	40.6	41.7	42.2	42.2	42.2	42.5	42.5	42.5	42.5	42.8	43.1	43.3	43.6	45.8
≥ 600	24.2	40.8	42.2	43.3	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.4	44.7	45.0	45.3	47.5
≥ 500	24.2	42.8	44.7	46.1	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.8	48.1	48.3	48.6	50.8
≥ 400	24.2	44.2	46.9	49.2	50.6	50.6	50.6	50.8	51.1	51.1	51.1	51.4	51.7	51.9	52.2	54.4
≥ 300	24.2	45.0	48.1	51.1	55.0	55.6	56.4	56.7	56.7	56.7	56.7	57.2	57.8	58.1	58.6	60.8
≥ 200	24.2	45.0	48.1	51.1	55.8	56.9	58.3	60.8	60.8	61.9	62.2	63.1	63.6	64.2	65.3	68.6
≥ 100	24.2	45.0	48.1	51.1	56.1	57.5	59.2	62.2	62.2	63.6	64.4	65.6	66.7	68.9	72.2	99.4
≥ 0	24.2	45.0	48.1	51.1	56.1	57.5	59.2	62.2	62.2	63.6	64.4	65.6	66.7	68.9	72.2	100.0

TOTAL NUMBER OF OBSERVATIONS

360

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	19.4	25.6	25.8	26.4	26.7	27.2	27.5	27.8	27.8	28.3	28.6	28.6	29.4	29.7	30.6	32.2
≥ 20000	19.4	25.6	25.8	26.4	26.7	27.2	27.5	27.8	27.8	28.3	28.6	28.6	29.4	29.7	30.6	32.2
≥ 18000	19.4	25.6	25.8	26.4	26.7	27.2	27.5	27.8	27.8	28.3	28.6	28.6	29.4	29.7	30.6	32.2
≥ 16000	19.4	25.6	25.8	26.4	26.7	27.2	27.5	27.8	27.8	28.3	28.6	28.6	29.4	29.7	30.6	32.2
≥ 14000	19.4	25.6	25.8	26.4	26.7	27.2	27.5	27.8	27.8	28.3	28.6	28.6	29.4	29.7	30.6	32.2
≥ 12000	20.3	26.4	26.7	27.2	28.3	28.9	29.2	29.4	29.4	30.0	30.3	30.3	31.1	31.4	32.2	33.9
≥ 10000	20.3	26.4	26.7	27.2	28.3	28.9	29.2	29.4	29.4	30.0	30.3	30.3	31.1	31.4	32.2	33.9
≥ 9000	20.3	26.4	26.7	27.2	28.3	28.9	29.2	29.4	29.4	30.0	30.3	30.3	31.1	31.4	32.2	33.9
≥ 8000	20.6	26.9	27.2	27.8	28.9	29.4	29.7	30.0	30.0	30.6	30.8	30.8	31.7	31.9	32.8	34.4
≥ 7000	20.6	26.9	27.2	27.8	28.9	29.4	29.7	30.0	30.0	30.6	30.8	30.8	31.7	31.9	32.8	34.4
≥ 6000	20.6	27.8	28.1	28.6	29.7	30.3	30.6	30.8	30.8	31.4	31.7	31.7	32.5	32.8	33.6	35.3
≥ 5000	20.6	27.8	28.1	28.6	29.7	30.3	30.6	30.8	30.8	31.4	31.7	31.7	32.5	32.8	33.6	35.3
≥ 4500	20.6	27.8	28.1	28.6	29.7	30.3	30.6	30.8	30.8	31.4	31.7	31.7	32.5	32.8	33.6	35.3
≥ 4000	20.6	27.8	28.1	28.6	29.7	30.3	30.6	30.8	30.8	31.4	31.7	31.7	32.5	32.8	33.6	35.3
≥ 3500	20.6	27.8	28.1	28.6	29.7	30.3	30.6	30.8	30.8	31.4	31.7	31.7	32.5	32.8	33.6	35.3
≥ 3000	21.4	28.6	28.9	29.4	30.6	31.1	31.4	31.7	31.7	32.2	32.5	32.5	33.3	33.6	34.4	36.1
≥ 2500	21.4	28.6	28.9	29.4	30.6	31.1	31.4	31.7	31.7	32.2	32.5	32.5	33.3	33.6	34.4	36.1
≥ 2000	21.4	29.2	29.4	30.0	31.1	31.7	31.9	32.2	32.2	32.8	33.1	33.1	33.9	34.2	35.0	36.7
≥ 1800	21.4	29.2	29.4	30.0	31.1	31.7	31.9	32.2	32.2	32.8	33.1	33.1	33.9	34.2	35.0	36.7
≥ 1500	21.4	29.4	29.7	30.3	31.4	31.9	32.2	32.5	32.5	33.1	33.3	33.3	34.2	34.4	35.3	36.9
≥ 1200	21.4	31.4	31.7	32.2	33.3	33.9	34.2	34.4	34.4	35.0	35.3	35.3	36.1	36.4	37.2	38.9
≥ 1000	21.4	33.3	33.6	34.2	35.3	35.8	36.1	36.4	36.4	36.9	37.2	37.2	38.1	38.3	39.2	40.8
≥ 900	21.7	33.9	34.2	34.7	35.8	36.4	36.7	36.9	36.9	37.5	37.8	37.8	38.6	38.9	39.7	41.4
≥ 800	21.7	34.4	34.7	35.3	36.4	36.9	37.2	37.5	37.5	38.1	38.3	38.3	39.2	39.4	40.3	41.9
≥ 700	21.7	34.4	35.0	35.6	36.7	37.2	37.5	37.8	37.8	38.3	38.6	38.6	39.4	39.7	40.6	42.2
≥ 600	21.7	35.0	35.6	36.1	37.2	37.8	38.1	38.3	38.3	38.9	39.2	39.2	40.0	40.3	41.1	42.8
≥ 500	21.7	36.7	37.5	38.1	39.2	39.7	40.0	40.3	40.3	40.8	41.1	41.1	41.9	42.2	43.1	44.7
≥ 400	21.7	38.1	39.4	40.0	41.1	41.7	42.2	42.5	42.5	43.1	43.3	43.6	44.4	44.7	45.6	47.2
≥ 300	21.7	38.6	40.6	41.7	44.4	45.3	47.5	48.1	48.1	49.2	49.4	49.7	50.6	50.8	51.7	53.3
≥ 200	21.7	39.2	41.1	42.2	45.3	46.9	50.6	53.1	53.1	56.7	56.9	58.1	60.0	60.8	63.6	67.5
≥ 100	21.7	39.2	41.1	42.2	45.3	46.9	50.6	53.6	54.2	58.6	59.4	60.6	63.6	65.0	73.3	100.0
≥ U	21.7	39.2	41.1	42.2	45.3	46.9	50.6	53.6	54.2	58.6	59.4	60.6	63.6	65.0	73.3	100.0

TOTAL NUMBER OF OBSERVATIONS

360

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.9	26.4	27.0	27.2	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.9	28.2	28.5	29.1	30.2
≥ 20000	22.2	26.7	27.2	27.5	27.9	27.9	28.1	28.1	28.1	28.2	28.2	28.4	28.7	28.9	29.5	30.5
≥ 18000	22.8	27.2	27.8	28.1	28.5	28.5	28.7	28.7	28.7	28.8	28.8	28.9	29.2	29.5	30.1	31.2
≥ 16000	22.8	27.2	27.8	28.1	28.5	28.5	28.7	28.8	28.8	28.9	28.9	29.1	29.4	29.6	30.2	31.2
≥ 14000	23.0	27.5	28.1	28.4	28.8	28.8	28.9	29.1	29.1	29.2	29.2	29.4	29.6	29.9	30.5	31.6
≥ 12000	23.0	27.5	28.1	28.4	28.9	28.9	29.1	29.2	29.2	29.4	29.4	29.5	29.8	30.1	30.6	31.7
≥ 10000	23.7	28.4	28.9	29.2	30.1	30.2	30.3	30.5	30.5	30.6	30.6	30.8	31.0	31.3	31.9	33.0
≥ 9000	23.7	28.4	28.9	29.2	30.1	30.2	30.3	30.5	30.5	30.6	30.6	30.8	31.0	31.3	31.9	33.0
≥ 8000	23.9	28.9	29.5	29.8	30.6	30.8	30.9	31.0	31.0	31.2	31.2	31.3	31.6	31.9	32.4	33.6
≥ 7000	23.9	28.9	29.5	29.8	30.6	30.8	30.9	31.0	31.0	31.2	31.2	31.3	31.6	31.9	32.4	33.6
≥ 6000	23.9	29.1	29.6	29.9	30.8	30.9	31.0	31.2	31.2	31.3	31.3	31.5	31.7	32.0	32.6	33.7
≥ 5000	23.9	29.2	29.8	30.1	30.9	31.0	31.2	31.3	31.3	31.5	31.5	31.6	31.9	32.2	32.7	33.8
≥ 4500	23.9	29.2	29.8	30.1	30.9	31.0	31.2	31.3	31.3	31.5	31.5	31.6	31.9	32.2	32.7	33.8
≥ 4000	23.9	29.2	29.8	30.2	31.0	31.2	31.3	31.5	31.5	31.6	31.6	31.7	32.0	32.3	32.9	34.0
≥ 3500	24.3	29.6	30.3	30.6	31.5	31.6	31.7	31.9	31.9	32.0	32.0	32.2	32.4	32.7	33.3	34.4
≥ 3000	24.4	29.9	30.8	31.0	31.9	32.0	32.2	32.3	32.3	32.4	32.4	32.6	32.9	33.1	33.7	34.8
≥ 2500	24.9	30.5	31.3	31.6	32.4	32.6	32.7	32.9	32.9	33.0	33.0	33.1	33.4	33.7	34.3	35.4
≥ 2000	25.4	31.5	32.3	32.6	33.4	33.6	33.7	33.8	33.8	34.0	34.0	34.1	34.4	34.7	35.3	36.4
≥ 1800	25.6	32.4	33.3	33.6	34.4	34.6	34.7	34.8	34.8	35.0	35.0	35.1	35.4	35.7	36.2	37.4
≥ 1500	25.7	33.1	34.0	34.3	35.1	35.4	35.5	35.7	35.7	35.8	35.8	36.0	36.2	36.5	37.1	38.2
≥ 1200	26.3	35.1	36.0	36.5	37.5	37.8	37.9	38.1	38.1	38.2	38.2	38.3	38.6	38.9	39.5	40.6
≥ 1000	26.7	36.5	37.6	38.8	39.9	40.3	40.4	40.7	40.7	40.9	40.9	41.0	41.3	41.6	42.1	43.3
≥ 900	26.8	37.1	38.2	39.3	40.4	41.2	41.3	41.6	41.6	41.7	41.7	41.9	42.1	42.4	43.0	44.1
≥ 800	26.8	37.5	38.8	39.9	41.0	41.7	42.0	42.3	42.3	42.4	42.4	42.6	42.8	43.1	43.7	44.8
≥ 700	27.0	37.8	39.3	40.7	42.0	42.7	43.0	43.3	43.3	43.4	43.4	43.5	43.8	44.1	44.7	45.8
≥ 600	27.0	38.2	39.7	41.6	43.0	43.7	44.0	44.2	44.2	44.4	44.4	44.5	44.8	45.1	45.6	46.8
≥ 500	27.0	38.3	40.0	43.4	45.6	46.6	47.2	48.0	48.0	48.5	48.5	48.6	48.9	49.2	49.7	50.8
≥ 400	27.0	38.6	40.4	44.9	48.5	49.9	51.0	52.8	52.8	53.4	53.7	53.8	54.2	54.5	55.1	56.2
≥ 300	27.0	38.9	40.7	45.9	50.0	51.8	53.4	57.3	57.4	58.4	59.4	59.7	60.1	60.5	61.5	62.9
≥ 200	27.0	39.0	40.9	46.3	51.3	53.2	55.2	59.6	60.1	61.8	63.8	64.6	66.3	67.8	71.1	76.8
≥ 100	27.0	39.0	40.9	46.3	51.3	53.2	55.2	59.7	60.3	62.1	64.3	65.4	67.4	70.1	76.1	97.8
≥ 0	27.0	39.0	40.9	46.3	51.3	53.2	55.2	59.7	60.3	62.1	64.3	65.4	67.4	70.1	76.3	100.0

TOTAL NUMBER OF OBSERVATIONS

712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93216

VANDENBERG AFB CA

17-70,73-78

212

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.8	46.1	47.1	47.5	48.0	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	34.8	46.2	47.4	47.7	48.2	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000	35.0	46.5	47.6	48.0	48.5	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	35.1	46.6	47.7	48.1	48.6	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 14000	35.4	46.9	48.0	48.4	48.9	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	35.6	47.4	48.5	48.9	49.4	49.7	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	36.5	48.5	49.6	50.0	50.5	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	36.5	48.5	49.6	50.0	50.5	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000	36.6	48.7	49.9	50.3	50.8	51.1	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 7000	36.9	49.0	50.1	50.5	51.0	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 6000	37.0	49.1	50.3	50.6	51.1	51.5	51.6	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 5000	37.0	49.2	50.4	50.8	51.3	51.6	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4500	37.0	49.2	50.4	50.8	51.3	51.6	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4000	37.3	49.9	51.1	51.5	52.0	52.4	52.5	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3500	37.3	50.0	51.3	51.6	52.1	52.5	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3000	37.4	50.1	51.4	51.8	52.3	52.6	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 2500	38.8	51.9	53.1	53.5	54.0	54.4	54.5	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 2000	39.8	53.8	55.0	55.4	55.9	56.3	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 1800	40.3	54.7	55.9	56.3	56.8	57.2	57.3	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 1600	40.7	56.2	57.6	58.2	58.7	59.2	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 1400	40.7	56.7	58.6	59.6	60.1	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 1200	40.8	57.8	60.3	61.7	62.2	62.7	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 1000	40.9	59.6	62.5	64.1	64.9	65.4	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 900	41.4	61.0	64.2	66.6	67.4	67.9	68.0	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 800	41.4	62.2	66.2	69.6	70.8	71.3	71.4	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 700	41.7	63.2	68.3	72.4	74.4	75.2	75.4	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 600	41.7	64.0	69.4	75.7	79.0	80.7	80.9	81.4	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9
≥ 500	41.7	64.2	69.9	77.3	82.0	84.4	84.4	84.9	85.2	85.5	85.9	86.0	86.0	86.0	86.0	86.0
≥ 400	41.7	64.2	69.9	77.3	82.7	85.9	87.3	89.8	90.4	91.2	92.1	92.1	92.3	92.4	92.4	92.4
≥ 300	41.7	64.2	69.9	77.5	82.9	86.1	87.5	90.6	91.7	92.6	94.0	94.6	95.3	96.0	96.7	97.0
≥ 200	41.7	64.2	69.9	77.5	82.9	86.1	87.7	90.9	92.1	92.9	94.5	95.1	96.2	97.0	98.5	99.9
≥ 100	41.7	64.2	69.9	77.5	82.9	86.1	87.7	90.9	92.1	92.9	94.5	95.1	96.2	97.1	98.6	100.0
≥ 0	41.7	64.2	69.9	77.5	82.9	86.1	87.7	90.9	92.1	92.9	94.5	95.1	96.2	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

794

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

STP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING	44.4	59.4	61.6	61.9	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	45.0	60.4	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	45.0	60.4	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	45.0	60.4	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	45.4	60.8	63.0	63.3	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	45.5	61.4	63.6	63.9	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	45.8	62.5	64.8	65.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	45.8	62.5	64.8	65.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	45.9	62.9	65.2	65.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	45.9	62.9	65.2	65.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	45.9	62.9	65.2	65.4	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	45.9	62.9	65.2	65.4	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	45.9	62.9	65.2	65.4	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	46.8	63.9	66.2	66.4	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	46.8	63.9	66.2	66.4	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	46.8	63.9	66.2	66.4	67.5	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2500	47.5	65.3	67.5	67.8	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 2000	48.3	66.0	68.3	68.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 1800	48.7	66.7	68.9	69.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 1500	49.2	67.5	69.8	70.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1200	50.4	70.2	72.5	73.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1000	50.9	72.5	75.0	75.6	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 900	51.4	74.2	77.6	78.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 800	52.1	76.9	81.0	81.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 700	52.6	79.1	84.2	86.0	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	52.6	80.4	86.7	89.4	91.2	91.2	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 500	52.6	80.9	87.9	91.6	94.2	94.6	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	52.6	81.1	88.3	92.3	95.7	96.2	96.7	97.1	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	52.6	81.1	88.4	92.6	96.1	96.6	97.2	98.0	98.2	98.6	99.0	99.4	99.4	99.5	99.5	99.5
≥ 200	52.6	81.1	88.4	92.6	96.2	96.7	97.4	98.1	98.4	98.7	99.1	99.5	99.6	99.7	99.7	99.9
≥ 100	52.6	81.1	88.4	92.6	96.2	96.7	97.4	98.1	98.4	98.7	99.1	99.5	99.7	99.9	99.9	100.0
≥ U	52.6	81.1	88.4	92.6	96.2	96.7	97.4	98.1	98.4	98.7	99.1	99.5	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

795

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-10-73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .01
NO CEILING	39.9	53.3	53.7	54.3	54.3	54.6	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	40.5	54.2	54.7	55.3	55.4	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	40.5	54.2	54.7	55.3	55.4	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	40.5	54.2	54.7	55.3	55.4	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	40.7	54.5	55.0	55.6	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	41.4	55.2	55.7	56.3	56.6	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	41.6	55.9	56.4	57.0	57.3	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 9000	41.6	55.9	56.4	57.0	57.3	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	41.7	56.4	57.0	57.6	57.9	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	41.9	56.6	57.1	57.7	58.0	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6000	41.9	56.6	57.1	57.7	58.0	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	42.0	56.7	57.2	57.9	58.1	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	42.0	56.7	57.2	57.9	58.1	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	42.7	57.4	58.0	58.6	58.8	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3500	42.7	57.4	58.0	58.6	58.8	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	43.6	58.2	58.8	59.4	59.7	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 2500	43.7	58.7	59.3	59.8	60.1	60.4	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 2000	44.1	59.5	60.1	60.7	61.0	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1800	44.7	60.1	60.7	61.2	61.5	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 1500	46.1	61.5	62.1	62.7	62.9	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 1200	46.3	62.1	62.7	63.2	63.5	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1000	47.0	65.5	66.3	66.9	67.2	67.5	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 900	47.7	67.5	68.7	69.6	69.9	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 800	48.1	69.7	72.1	73.3	73.7	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 700	48.7	73.3	76.4	77.9	78.5	78.8	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 600	48.8	75.0	79.1	81.8	82.7	83.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 500	49.1	76.9	82.0	85.6	87.4	88.4	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5
≥ 400	49.1	77.7	82.9	87.7	90.4	91.7	92.4	93.4	93.5	93.8	93.8	93.8	94.1	94.1	94.1
≥ 300	49.1	77.7	83.0	88.3	91.4	92.8	94.2	95.6	96.0	96.6	96.9	96.9	97.7	97.9	98.0
≥ 200	49.1	77.7	83.0	88.3	91.4	92.8	94.2	95.6	96.2	97.0	97.5	97.5	98.6	98.6	99.3
≥ 100	49.1	77.7	83.0	88.3	91.4	92.8	94.2	95.6	96.2	97.0	97.5	97.6	98.6	98.9	99.6
≥ 0	49.1	77.7	83.0	88.3	91.4	92.8	94.2	95.6	96.2	97.0	97.5	97.6	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

707

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING	26.5	38.3	38.7	38.7	39.3	39.3	39.4	39.8	39.8	40.2	40.2	40.2	40.2	40.2	40.2	40.6
≥ 20000	26.9	39.1	39.4	39.4	40.0	40.0	40.2	40.6	40.6	40.9	40.9	40.9	40.9	40.9	40.9	41.3
≥ 18000	26.9	39.1	39.4	39.4	40.0	40.0	40.2	40.6	40.6	40.9	40.9	40.9	40.9	40.9	40.9	41.3
≥ 16000	26.9	39.1	39.4	39.4	40.0	40.0	40.2	40.6	40.6	40.9	40.9	40.9	40.9	40.9	40.9	41.3
≥ 14000	26.9	39.1	39.4	39.4	40.0	40.0	40.2	40.6	40.6	40.9	40.9	40.9	40.9	40.9	40.9	41.3
≥ 12000	27.4	39.8	40.2	40.2	40.7	40.7	40.9	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	42.0
≥ 10000	27.4	39.8	40.2	40.2	40.7	40.7	40.9	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	42.0
≥ 9000	27.4	39.8	40.2	40.2	40.7	40.7	40.9	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	42.0
≥ 8000	27.4	40.0	40.4	40.4	40.9	40.9	41.1	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	42.2
≥ 7000	27.4	40.6	40.9	40.9	41.5	41.5	41.7	42.0	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.8
≥ 6000	27.6	40.7	41.1	41.1	41.7	41.7	41.9	42.2	42.2	42.6	42.6	42.6	42.6	42.6	42.6	43.0
≥ 5000	27.8	41.1	41.5	41.5	42.0	42.0	42.2	42.6	42.6	43.0	43.0	43.0	43.0	43.0	43.0	43.3
≥ 4500	27.8	41.1	41.9	41.9	42.4	42.4	42.6	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.7
≥ 4000	28.0	41.3	42.0	42.0	42.6	42.6	42.8	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.9
≥ 3500	28.0	41.3	42.0	42.0	42.6	42.6	42.8	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.9
≥ 3000	28.5	41.9	42.6	42.6	43.1	43.1	43.3	43.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.4
≥ 2500	28.5	42.0	42.8	42.8	43.3	43.3	43.5	43.9	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.6
≥ 2000	28.7	42.8	43.5	43.5	44.1	44.1	44.3	44.6	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.4
≥ 1800	29.1	43.5	44.3	44.3	44.8	44.8	45.0	45.4	45.4	45.7	45.7	45.7	45.7	45.7	45.7	46.1
≥ 1500	29.4	44.1	44.8	44.8	45.4	45.4	45.6	45.9	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.7
≥ 1200	30.0	45.4	46.1	46.1	46.7	46.7	46.9	47.2	47.2	47.6	47.6	47.6	47.6	47.6	47.6	48.0
≥ 1000	30.4	46.1	47.4	47.4	48.0	48.0	48.1	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	49.3
≥ 900	30.6	46.5	47.8	47.8	48.5	48.5	48.7	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.8
≥ 800	30.6	47.8	49.4	49.4	50.2	50.2	50.4	50.7	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.5
≥ 700	31.3	50.7	53.1	53.5	54.3	54.3	54.4	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.6
≥ 600	31.3	51.5	54.3	54.8	55.6	55.6	55.7	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.9
≥ 500	31.3	53.5	57.8	58.9	59.8	59.8	60.0	60.4	60.4	60.7	60.9	60.9	60.9	60.9	60.9	61.3
≥ 400	31.3	55.7	60.7	63.3	65.9	65.9	66.1	67.0	67.0	67.4	67.6	67.6	67.6	67.6	68.1	68.7
≥ 300	31.3	55.7	61.9	66.7	71.1	71.9	72.2	74.4	74.6	75.0	75.6	75.9	75.9	76.5	77.2	77.8
≥ 200	31.3	55.9	62.0	67.4	72.6	73.9	74.6	77.4	78.0	78.7	80.2	81.1	81.9	83.3	86.3	89.3
≥ 100	31.3	55.9	62.0	67.6	73.3	74.6	75.6	78.9	80.2	81.7	83.5	84.8	85.9	87.6	92.8	99.6
≥ 0	31.3	55.9	62.0	67.6	73.3	74.6	75.6	78.9	80.2	81.7	83.5	84.8	85.9	87.6	92.8	100.0

TOTAL NUMBER OF OBSERVATIONS

540

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	20.8	36.0	37.4	38.9	39.1	39.7	40.1	40.3	40.3	40.7	40.7	40.7	41.0	41.2	41.4	42.0
2 20000	21.4	36.6	38.0	39.5	39.7	40.3	40.7	41.0	41.0	41.4	41.4	41.4	41.6	41.8	42.0	43.2
2 18000	21.4	36.6	38.0	39.5	39.7	40.3	40.7	41.0	41.0	41.4	41.4	41.4	41.6	41.8	42.0	43.2
2 16000	21.4	36.6	38.0	39.5	39.7	40.3	40.7	41.0	41.0	41.4	41.4	41.4	41.6	41.8	42.0	43.2
2 14000	21.4	36.6	38.0	39.5	39.7	40.3	40.7	41.0	41.0	41.4	41.4	41.4	41.6	41.8	42.0	43.2
2 12000	21.6	36.8	38.3	39.7	39.9	40.5	41.0	41.2	41.2	41.6	41.6	41.6	41.8	42.0	42.2	43.5
2 10000	21.6	36.8	38.3	39.7	39.9	40.5	41.0	41.2	41.2	41.6	41.6	41.6	41.8	42.0	42.2	43.5
2 9000	21.6	36.8	38.3	39.7	39.9	40.5	41.0	41.2	41.2	41.6	41.6	41.6	41.8	42.0	42.2	43.5
2 8000	21.6	36.8	38.3	39.7	39.9	40.5	41.0	41.2	41.2	41.6	41.6	41.6	41.8	42.0	42.2	43.5
2 7000	21.6	37.0	38.5	39.9	40.1	40.7	41.2	41.4	41.4	41.8	41.8	41.8	42.0	42.2	42.4	43.7
2 6000	21.6	37.4	38.9	40.3	40.5	41.2	41.6	41.8	41.8	42.2	42.2	42.2	42.4	42.6	42.8	44.1
2 5000	22.0	37.8	39.3	40.7	41.0	41.6	42.0	42.2	42.2	42.6	42.6	42.6	42.8	43.0	43.2	44.5
2 4500	22.0	38.0	39.5	41.0	41.2	41.8	42.2	42.4	42.4	42.8	42.8	42.8	43.0	43.2	43.5	44.7
2 4000	22.0	38.0	39.5	41.0	41.2	41.8	42.2	42.4	42.4	42.8	42.8	42.8	43.0	43.2	43.5	44.7
2 3500	22.0	38.0	39.5	41.0	41.2	41.8	42.2	42.4	42.4	42.8	42.8	42.8	43.0	43.2	43.5	44.7
2 3000	22.2	38.3	39.7	41.1	41.3	41.9	42.3	42.5	42.5	42.9	42.9	42.9	43.1	43.3	43.6	44.9
2 2500	22.9	39.7	41.2	43.0	43.2	43.9	44.3	44.5	44.5	44.9	44.9	44.9	45.1	45.3	45.5	46.8
2 2000	22.9	39.9	41.4	43.2	43.5	44.1	44.5	44.7	44.7	45.1	45.1	45.1	45.3	45.5	45.7	47.0
2 1800	22.9	39.9	41.4	43.2	43.5	44.1	44.5	44.7	44.7	45.1	45.1	45.1	45.3	45.5	45.7	47.0
2 1500	23.5	40.7	42.2	44.1	44.3	44.9	45.3	45.5	45.5	45.9	45.9	45.9	46.2	46.4	46.6	47.8
2 1200	23.7	41.6	43.0	44.9	45.1	45.7	46.2	46.4	46.4	46.8	46.8	46.8	47.0	47.2	47.4	48.6
2 1000	24.1	42.4	43.9	45.7	45.9	46.6	47.0	47.2	47.2	47.6	47.6	47.6	47.8	48.0	48.2	49.5
2 900	24.3	44.5	45.9	47.8	48.0	48.6	49.1	49.3	49.3	49.7	49.7	49.7	49.9	50.1	50.3	51.6
2 800	24.3	45.5	47.4	49.3	49.5	50.1	50.5	50.7	50.7	51.1	51.1	51.1	51.4	51.6	51.8	53.0
2 700	24.3	45.9	48.0	49.9	50.1	50.7	51.1	51.4	51.4	51.8	51.8	51.8	52.0	52.2	52.4	53.6
2 600	24.3	48.4	50.9	53.0	53.2	53.8	54.3	54.5	54.5	54.9	54.9	54.9	55.1	55.3	55.5	56.8
2 500	24.3	50.9	53.8	56.1	56.3	57.4	57.8	58.0	58.0	58.4	58.4	58.4	58.6	58.8	59.0	60.3
2 400	24.3	52.0	55.9	60.1	61.2	62.2	62.6	63.2	63.2	63.6	63.6	63.6	63.8	64.0	64.2	65.5
2 300	24.3	52.4	57.8	63.8	66.3	67.2	68.0	68.8	69.2	69.9	69.9	69.9	70.1	70.3	70.5	71.8
2 200	24.3	52.4	58.0	65.1	68.0	70.1	71.5	72.6	73.2	74.0	75.1	75.5	76.1	77.5	80.5	85.0
2 100	24.3	52.4	58.0	65.1	68.0	70.1	71.7	73.2	74.2	75.9	77.1	78.0	79.4	81.9	86.5	99.0
2 000	24.3	52.4	58.0	65.1	68.0	70.1	71.7	73.2	74.2	75.9	77.1	78.0	79.4	82.1	86.5	100.0

TOTAL NUMBER OF OBSERVATIONS

481

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	30.8	42.1	43.0	43.4	43.7	44.0	44.2	44.3	44.3	44.5	44.5	44.5	44.7	44.8	45.0	45.0
≥ 20000	31.1	42.6	43.5	44.0	44.4	44.6	44.7	44.9	44.9	45.1	45.1	45.1	45.3	45.4	45.6	46.2
≥ 18000	31.2	42.7	43.6	44.1	44.5	44.7	44.9	45.0	45.0	45.2	45.2	45.3	45.4	45.5	45.7	46.3
≥ 16000	31.3	42.7	43.7	44.1	44.5	44.7	44.9	45.0	45.0	45.2	45.3	45.3	45.4	45.5	45.7	46.4
≥ 14000	31.5	42.9	43.8	44.3	44.3	45.0	45.1	45.3	45.3	45.5	45.5	45.5	45.7	45.8	46.0	46.6
≥ 12000	31.8	43.4	44.3	44.8	45.3	45.5	45.7	45.8	45.8	46.0	46.1	46.1	46.2	46.3	46.5	47.2
≥ 10000	32.1	44.0	45.0	45.4	46.0	46.3	46.4	46.6	46.6	46.7	46.8	46.8	47.0	47.1	47.3	47.9
≥ 9000	32.1	44.0	45.0	45.4	46.0	46.3	46.4	46.6	46.6	46.7	46.8	46.8	47.0	47.1	47.3	47.9
≥ 8000	32.2	44.3	45.3	45.8	46.4	46.6	46.7	46.9	46.9	47.1	47.1	47.1	47.3	47.4	47.6	48.2
≥ 7000	32.3	44.5	45.4	45.9	46.5	46.7	46.9	47.0	47.0	47.2	47.3	47.3	47.4	47.5	47.7	48.4
≥ 6000	32.3	44.7	45.7	46.1	46.6	47.0	47.1	47.3	47.3	47.5	47.5	47.5	47.7	47.8	48.0	48.6
≥ 5000	32.4	44.9	45.8	46.3	46.9	47.1	47.3	47.4	47.4	47.6	47.7	47.7	47.8	47.9	48.1	48.8
≥ 4500	32.4	44.9	45.9	46.3	47.0	47.2	47.4	47.5	47.5	47.7	47.7	47.7	47.8	47.9	48.0	48.8
≥ 4000	32.7	45.3	46.3	46.8	47.5	47.7	47.8	48.0	48.0	48.2	48.2	48.3	48.4	48.5	48.7	49.3
≥ 3500	32.8	45.4	46.4	46.9	47.6	47.8	47.9	48.1	48.1	48.3	48.3	48.4	48.5	48.6	48.8	49.4
≥ 3000	33.1	45.7	46.8	47.3	48.0	48.2	48.3	48.5	48.5	48.7	48.7	48.8	48.9	49.0	49.2	49.8
≥ 2500	33.7	46.6	47.7	48.2	48.8	49.1	49.2	49.4	49.4	49.6	49.6	49.6	49.8	49.9	50.1	50.7
≥ 2000	34.1	47.3	48.6	49.1	49.7	49.9	50.1	50.3	50.3	50.5	50.5	50.5	50.7	50.8	51.0	51.6
≥ 1800	34.4	48.1	49.2	49.7	50.3	50.6	50.7	50.9	50.9	51.1	51.1	51.1	51.3	51.4	51.6	52.2
≥ 1500	34.9	49.1	50.2	50.7	51.4	51.7	51.8	52.0	52.0	52.2	52.2	52.2	52.4	52.5	52.7	53.3
≥ 1200	35.3	50.4	51.6	52.3	53.0	53.3	53.4	53.6	53.6	53.8	53.8	53.9	54.0	54.1	54.3	54.9
≥ 1000	35.7	52.1	53.5	54.5	55.1	55.4	55.6	55.8	55.8	56.0	56.0	56.0	56.2	56.3	56.5	57.1
≥ 900	36.0	53.3	55.1	56.1	56.8	57.2	57.3	57.5	57.5	57.7	57.7	57.8	57.9	58.0	58.2	58.9
≥ 800	36.2	54.7	57.0	58.1	58.9	59.3	59.4	59.6	59.6	59.8	59.8	59.9	60.0	60.1	60.3	61.0
≥ 700	36.5	56.3	59.1	60.7	61.7	62.0	62.2	62.4	62.4	62.6	62.7	62.7	62.9	63.0	63.2	63.8
≥ 600	36.6	57.4	60.9	63.2	64.3	64.7	65.0	65.2	65.2	65.4	65.4	65.5	65.6	65.7	65.9	66.6
≥ 500	36.6	58.7	62.8	66.0	67.9	68.6	69.0	69.4	69.3	69.7	69.8	69.8	70.0	70.1	70.3	70.9
≥ 400	36.6	59.4	64.0	68.2	71.1	72.1	72.8	73.7	73.8	74.2	74.4	74.5	74.7	74.9	75.2	75.8
≥ 300	36.6	59.7	64.6	69.5	73.4	74.7	75.9	77.6	77.9	78.5	79.0	79.2	79.6	79.9	80.4	81.1
≥ 200	36.6	59.8	64.7	69.9	74.1	75.8	77.2	79.5	80.0	81.2	82.1	82.7	83.6	84.4	86.0	88.4
≥ 100	36.6	59.8	64.7	69.9	74.2	75.9	77.4	80.0	80.7	82.1	83.2	84.0	85.3	86.6	89.8	99.5
≥ 0	36.6	59.8	64.7	69.9	74.2	75.9	77.4	80.0	80.7	82.1	83.2	84.0	85.3	86.6	89.8	100.0

TOTAL NUMBER OF OBSERVATIONS

4749

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70-77

061

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	34.4	31.4	52.1	52.4	54.4	54.4	54.9	55.7	55.7	56.3	56.3	56.4	56.4	57.0	57.4	59.4
≥2000	34.4	31.4	52.1	52.4	54.4	54.4	54.9	55.7	55.7	56.3	56.3	56.4	56.4	57.0	57.4	59.4
≥1800	34.4	31.4	52.1	52.4	54.4	54.4	54.9	55.7	55.7	56.3	56.3	56.4	56.4	57.0	57.4	59.4
≥1600	34.4	31.4	52.1	52.4	54.4	54.4	54.9	55.7	55.7	56.3	56.3	56.4	56.4	57.0	57.4	59.4
≥1400	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥1200	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥1000	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥800	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥600	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥400	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥300	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥200	35.4	32.9	53.4	54.2	56.0	56.0	56.5	57.3	57.3	57.8	58.1	58.1	58.1	58.6	59.1	60.4
≥100	36.5	33.9	54.4	55.2	57.0	57.0	57.6	58.3	58.3	58.9	59.1	59.1	59.1	59.4	59.6	60.2
≥80	36.5	33.9	54.4	55.2	57.0	57.0	57.6	58.3	58.3	58.9	59.1	59.1	59.1	59.4	59.6	60.2
≥60	37.0	34.4	54.9	55.7	57.6	57.6	58.1	58.9	58.9	59.4	59.6	59.6	59.6	59.9	60.2	60.7
≥40	37.2	35.5	56.0	56.8	58.0	58.6	59.1	59.9	59.9	60.4	60.7	60.7	60.7	60.9	61.2	61.7
≥20	38.0	37.8	58.3	59.1	60.9	60.9	61.5	62.2	62.2	62.8	63.0	63.0	63.3	63.5	64.1	65.9
≥10	39.1	39.4	59.9	60.7	62.8	62.8	63.3	64.1	64.1	64.6	64.8	64.8	65.1	65.4	65.9	67.7
≥5	39.6	62.8	63.3	64.1	66.1	66.1	66.7	67.4	67.4	68.0	68.2	68.2	68.5	68.8	69.3	71.1
≥2	40.1	64.6	65.1	65.9	68.0	68.0	68.5	69.3	69.3	69.8	70.1	70.1	70.4	70.6	71.1	72.9
≥1	40.1	65.4	66.1	66.9	69.0	69.0	69.5	70.3	70.3	70.8	71.1	71.1	71.4	71.6	72.1	74.0
≥0.5	40.1	66.7	67.4	68.5	70.0	70.6	71.1	71.9	71.9	72.4	72.7	72.7	72.9	73.2	73.7	75.5
≥0.25	40.1	67.7	68.8	69.4	71.9	71.9	72.4	73.2	73.2	73.7	74.0	74.0	74.2	74.5	75.0	76.8
≥0.1	40.1	68.5	69.5	71.9	74.0	74.0	74.7	75.5	75.5	76.0	76.3	76.3	76.6	76.8	77.2	79.2
≥0.05	40.1	68.8	70.3	73.4	75.5	75.8	76.8	77.6	77.6	78.1	78.6	78.6	78.9	79.2	79.7	81.5
≥0.025	40.1	68.8	70.3	75.5	78.4	78.9	79.9	81.3	81.3	82.0	82.8	82.8	83.1	83.3	84.4	86.7
≥0.01	40.1	68.8	70.3	75.5	78.4	78.9	79.9	81.3	81.8	83.1	84.1	84.4	84.9	85.2	87.5	92.2
≥0.005	40.1	68.8	70.3	75.5	78.4	78.9	79.9	81.3	81.8	83.1	84.4	84.9	85.4	85.7	88.8	99.2
≥0.0025	40.1	68.8	70.3	75.5	78.4	78.9	79.9	81.3	81.8	83.1	84.4	84.9	85.4	85.7	88.8	99.2

TOTAL NUMBER OF OBSERVATIONS

384

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 77-78

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	33.8	46.7	48.7	49.2	50.8	50.8	50.8	51.0	51.3	51.3	51.5	51.8	51.8	53.1	55.1	57.9
≥ 20000	33.8	46.7	48.7	49.2	50.8	50.8	50.8	51.0	51.3	51.3	51.5	51.8	51.8	53.1	55.1	57.9
≥ 18000	33.8	46.7	49.0	49.5	51.0	51.0	51.0	51.3	51.5	51.5	51.8	52.1	52.1	53.3	55.4	58.2
≥ 16000	34.1	47.7	49.7	50.3	51.8	51.8	51.8	52.1	52.3	52.3	52.6	52.8	52.8	54.1	56.2	59.0
≥ 14000	34.6	48.2	50.3	50.8	52.3	52.3	52.3	52.6	52.8	52.8	53.1	53.3	53.3	54.6	56.7	59.5
≥ 12000	34.6	48.2	50.3	50.8	52.3	52.3	52.3	52.6	52.8	52.8	53.1	53.3	53.3	54.6	56.7	59.5
≥ 10000	34.6	48.2	50.3	50.8	52.3	52.3	52.3	52.6	52.8	52.8	53.1	53.3	53.3	54.6	56.7	59.5
≥ 9000	34.6	48.2	50.3	50.8	52.3	52.3	52.3	52.6	52.8	52.8	53.1	53.3	53.3	54.6	56.7	59.5
≥ 8000	35.4	49.2	51.3	51.8	53.3	53.3	53.3	53.6	53.8	53.8	54.1	54.4	54.4	55.6	57.7	60.5
≥ 7000	35.4	49.2	51.3	51.8	53.3	53.3	53.3	53.6	53.8	53.8	54.1	54.4	54.4	55.6	57.7	60.5
≥ 6000	35.4	49.2	51.3	51.8	53.3	53.3	53.3	53.6	53.8	53.8	54.1	54.4	54.4	55.6	57.7	60.5
≥ 5000	35.4	49.2	51.3	51.8	53.3	53.3	53.3	53.6	53.8	53.8	54.1	54.4	54.4	55.6	57.7	60.5
≥ 4500	35.4	49.2	51.3	51.8	53.3	53.3	53.3	53.6	53.8	53.8	54.1	54.4	54.4	55.6	57.7	60.5
≥ 4000	35.9	49.7	51.8	52.3	53.8	53.8	53.8	54.1	54.4	54.4	54.9	54.9	54.9	56.2	58.2	61.0
≥ 3500	36.2	50.0	52.1	52.6	54.1	54.1	54.1	54.4	54.6	54.6	54.9	55.1	55.1	56.4	58.5	61.3
≥ 3000	36.2	50.0	52.1	52.6	54.1	54.1	54.1	54.4	54.6	54.6	54.9	55.1	55.1	56.4	58.5	61.3
≥ 2500	36.4	50.5	52.6	53.1	54.6	54.6	54.6	54.9	55.1	55.1	55.4	55.6	55.6	56.9	59.0	61.8
≥ 2000	36.9	52.1	54.1	54.6	56.2	56.2	56.4	56.7	56.9	56.9	57.2	57.4	57.4	58.7	60.8	63.6
≥ 1800	36.9	52.8	54.9	55.4	56.9	56.9	57.2	57.4	57.7	57.7	57.9	58.2	58.2	59.5	61.5	64.4
≥ 1600	37.9	54.9	56.9	57.4	59.0	59.0	59.2	59.5	59.7	59.7	60.0	60.3	60.3	61.5	63.6	66.4
≥ 1400	38.2	57.2	59.2	60.0	61.5	61.5	61.8	62.1	62.3	62.3	62.6	62.8	62.8	64.1	66.2	69.0
≥ 1200	38.5	58.5	60.5	61.3	62.8	62.8	63.1	63.3	63.6	63.6	63.8	64.1	64.1	65.4	67.4	70.2
≥ 1000	38.5	59.5	61.5	62.3	64.4	64.4	64.6	64.9	65.1	65.1	65.4	65.6	65.6	66.9	69.0	71.8
≥ 900	38.7	60.8	62.8	64.1	66.2	66.2	66.4	66.7	66.9	66.9	67.2	67.4	67.4	68.7	70.8	73.6
≥ 800	38.7	61.0	63.3	64.6	66.9	66.9	67.2	67.7	67.9	67.9	68.2	68.5	68.5	69.7	71.8	74.6
≥ 700	38.7	61.8	64.6	66.7	69.5	69.5	69.7	70.5	70.8	70.8	71.0	71.3	71.3	72.6	74.6	77.4
≥ 600	38.7	62.6	65.4	68.5	71.5	71.5	71.8	72.6	72.8	72.8	73.1	73.3	73.3	74.6	76.7	79.5
≥ 500	38.7	62.8	65.6	70.3	73.8	74.1	74.4	75.1	75.4	75.4	75.6	76.2	76.2	77.4	79.7	82.6
≥ 400	38.7	62.8	65.9	70.8	74.6	75.6	76.9	77.7	77.9	78.2	78.5	79.0	79.0	80.8	83.8	87.2
≥ 300	38.7	62.8	65.9	70.8	74.6	75.6	77.2	78.2	78.5	78.7	79.0	79.5	79.7	81.5	85.1	90.0
≥ 200	38.7	62.8	65.9	70.8	74.6	75.6	77.2	78.2	78.5	78.7	79.0	79.7	79.7	80.0	81.8	85.9
≥ 100	38.7	62.8	65.9	70.8	74.6	75.6	77.2	78.2	78.5	78.7	79.0	79.7	79.7	80.0	81.8	85.9

TOTAL NUMBER OF OBSERVATIONS

390

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

UET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-0800

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ .06	≥ .03
NO CEILING	39.0	45.0	45.0	46.3	47.0	48.1	48.7	49.2	49.2	49.4	49.4	49.5	49.7	50.1	50.9	52.0	
≥ 20000	40.2	46.6	47.4	48.1	49.4	49.9	50.5	51.0	51.0	51.2	51.2	51.3	51.5	51.9	52.7	54.2	
≥ 18000	40.4	46.7	47.0	48.3	49.5	50.1	51.0	51.2	51.2	51.3	51.3	51.5	51.6	52.0	52.8	54.4	
≥ 16000	41.2	47.7	48.5	49.2	50.5	51.0	51.6	52.1	52.1	52.3	52.3	52.4	52.6	53.0	53.8	55.3	
≥ 14000	41.6	48.4	49.2	49.9	51.2	51.7	52.3	52.8	52.8	53.0	53.0	53.1	53.3	53.7	54.5	56.0	
≥ 12000	41.9	48.7	49.5	50.2	51.5	52.0	52.6	53.1	53.1	53.3	53.3	53.4	53.5	54.1	55.0	56.6	
≥ 10000	42.6	49.5	50.3	51.0	52.3	52.8	53.4	53.9	53.9	54.1	54.1	54.2	54.4	54.9	55.9	57.4	
≥ 9000	42.6	49.5	50.3	51.0	52.3	52.8	53.4	53.9	53.9	54.1	54.1	54.2	54.4	54.9	55.9	57.4	
≥ 8000	42.7	49.9	50.8	51.5	52.7	53.3	53.8	54.4	54.4	54.5	54.5	54.6	54.8	55.3	56.3	57.8	
≥ 7000	42.9	50.1	50.9	51.6	52.8	53.4	53.9	54.5	54.5	54.6	54.6	54.8	54.9	55.5	56.6	58.1	
≥ 6000	43.2	50.3	51.2	51.9	53.1	53.7	54.2	54.8	54.8	54.9	54.9	55.0	55.2	55.7	56.8	58.4	
≥ 5000	43.2	50.3	51.2	51.9	53.1	53.7	54.2	54.8	54.8	54.9	54.9	55.0	55.2	55.7	56.8	58.4	
≥ 4500	43.3	50.9	51.7	52.4	53.7	54.2	54.8	55.3	55.3	55.5	55.5	55.6	55.7	56.3	57.4	58.9	
≥ 4000	44.0	51.6	52.4	53.1	54.4	54.9	55.5	56.0	56.0	56.2	56.2	56.3	56.4	57.0	58.1	59.6	
≥ 3500	44.0	51.6	52.4	53.1	54.4	54.9	55.5	56.0	56.0	56.2	56.2	56.3	56.4	57.0	58.1	59.6	
≥ 3000	44.2	52.0	52.8	53.5	54.8	55.3	55.9	56.4	56.4	56.6	56.6	56.7	56.8	57.4	58.5	60.0	
≥ 2500	45.1	53.4	54.4	55.0	56.4	57.0	57.5	58.1	58.1	58.2	58.2	58.4	58.5	59.1	60.2	61.7	
≥ 2000	45.8	55.0	56.2	57.0	58.8	59.5	60.0	60.6	60.6	60.7	60.7	60.9	61.0	61.5	62.7	64.2	
≥ 1800	46.2	56.4	57.5	58.5	60.3	61.0	61.5	62.1	62.1	62.2	62.4	62.5	62.7	63.2	64.5	66.0	
≥ 1500	46.9	57.3	58.5	59.5	61.4	62.2	63.1	63.8	63.8	63.9	64.0	64.2	64.3	64.9	66.1	67.6	
≥ 1200	47.4	58.9	60.2	61.3	63.3	64.2	65.0	65.7	65.7	65.8	66.0	66.1	66.3	66.8	68.0	69.6	
≥ 1000	47.6	59.5	61.0	62.4	64.5	65.3	66.3	66.9	66.9	67.1	67.2	67.4	67.5	68.0	69.3	70.8	
≥ 900	47.6	60.7	62.5	64.3	66.4	67.2	68.5	69.2	69.2	69.3	69.4	69.6	69.7	70.3	71.5	73.0	
≥ 800	47.6	61.3	63.2	65.6	68.6	69.4	70.7	71.4	71.4	71.5	71.6	71.8	71.9	72.5	73.7	75.2	
≥ 700	47.6	61.5	63.6	66.1	69.3	70.1	71.4	72.2	72.2	72.3	72.5	72.6	72.8	73.3	74.6	76.1	
≥ 600	47.6	62.0	64.2	66.7	70.3	71.2	72.9	73.7	73.7	73.9	74.0	74.1	74.3	74.8	76.1	77.6	
≥ 500	47.6	62.2	64.6	67.4	71.6	72.6	74.7	75.5	75.5	75.7	75.8	75.9	76.1	76.6	77.9	79.4	
≥ 400	47.6	62.2	64.6	68.6	73.2	74.4	77.3	78.4	78.6	79.4	79.8	80.1	80.2	80.8	82.0	83.5	
≥ 300	47.6	62.2	64.6	68.6	73.2	74.4	77.7	79.3	79.5	80.6	81.2	81.5	81.9	82.4	84.4	85.9	
≥ 200	47.6	62.2	64.6	68.6	73.4	74.7	78.1	79.8	80.1	81.5	82.0	82.4	83.1	84.1	86.4	88.0	
≥ 100	47.6	62.2	64.6	68.6	73.4	74.7	78.3	80.1	80.4	81.7	82.3	83.0	83.8	84.8	87.8	89.6	
≥ 0	47.6	62.2	64.6	68.6	73.4	74.7	78.3	80.1	80.4	81.7	82.3	83.0	83.8	84.8	87.8	89.6	

TOTAL NUMBER OF OBSERVATIONS

723

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-76
YEARS

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.8	55.2	57.0	58.5	58.7	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	47.8	57.8	59.7	61.6	61.8	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 18000	48.1	58.3	60.2	62.1	62.3	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	48.5	58.7	60.6	62.4	62.7	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000	49.0	59.6	61.4	63.6	63.8	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	49.5	60.1	61.9	64.1	64.3	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	49.9	60.8	62.7	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	49.9	60.8	62.7	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	50.1	61.4	63.3	65.5	65.8	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	50.1	61.4	63.3	65.5	65.8	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	51.1	62.6	64.4	66.7	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	51.2	62.8	64.7	66.9	67.2	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	51.5	63.1	64.9	67.2	67.4	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4000	51.9	63.6	65.4	67.7	67.9	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3500	52.1	63.8	65.7	67.9	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	52.1	64.1	65.9	68.2	68.4	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2500	53.5	65.7	67.9	70.3	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	54.1	67.4	69.9	72.5	72.9	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1800	54.6	68.2	70.6	73.3	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1500	55.5	70.1	72.8	75.7	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1200	56.5	72.6	75.5	78.6	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1000	56.8	74.0	77.0	80.6	81.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 900	56.8	75.7	78.7	82.6	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 800	56.8	76.2	80.3	84.3	85.4	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	56.8	76.4	80.6	84.6	85.8	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 600	56.8	76.5	81.1	85.8	87.4	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	56.8	76.9	81.6	86.8	88.7	89.2	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 400	56.8	76.9	81.7	87.4	90.7	91.3	92.2	92.5	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 300	56.8	76.9	81.7	87.6	90.9	92.0	93.0	94.0	94.0	94.7	94.8	94.9	95.5	95.8	95.9	95.9	95.9
≥ 200	56.8	76.9	81.7	87.6	90.9	92.0	93.0	94.3	94.3	94.9	95.4	95.5	96.6	97.1	98.1	98.5	98.5
≥ 100	56.8	76.9	81.7	87.6	90.9	92.0	93.0	94.3	94.3	94.9	95.4	95.5	96.9	97.6	99.0	100.0	100.0
≥ 0	56.8	76.9	81.7	87.6	90.9	92.0	93.0	94.3	94.3	94.9	95.4	95.5	96.9	97.6	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

804

USAF ETAC

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAF

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB, CA

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	51.1	66.2	67.4	68.7	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	53.0	69.4	71.0	72.3	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	53.0	69.7	71.3	72.5	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 16000	53.0	69.7	71.3	72.5	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 14000	53.4	70.6	72.3	73.5	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 12000	54.0	71.4	73.1	74.4	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 10000	54.6	72.1	73.9	75.1	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	54.6	72.1	73.9	75.1	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	55.1	72.9	74.6	75.9	76.7	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	55.3	73.1	74.9	76.1	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000	56.2	74.0	75.7	77.0	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	56.2	74.4	76.1	77.4	78.2	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4500	56.2	74.4	76.1	77.4	78.2	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4000	56.5	74.9	76.6	77.9	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	57.1	75.6	77.4	78.6	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000	57.5	76.0	77.7	79.0	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	59.1	78.1	79.9	81.1	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	59.3	79.0	80.7	82.0	82.8	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	59.8	80.0	81.7	83.0	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	60.3	81.8	83.6	85.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	60.8	84.1	85.9	87.4	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	61.1	85.0	87.1	88.7	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 900	61.1	85.1	87.4	89.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 800	61.2	85.7	88.2	90.0	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 700	61.2	86.3	89.1	91.0	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	61.3	86.9	89.7	91.9	93.9	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	61.3	87.1	90.0	92.5	95.1	95.1	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	61.3	87.1	90.0	92.7	95.6	95.6	95.6	96.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	61.3	87.1	90.0	92.8	95.8	95.8	95.8	96.0	97.0	98.3	98.4	98.8	98.8	98.8	98.9	99.0
≥ 200	61.3	87.1	90.0	92.8	95.8	95.8	95.8	96.0	97.0	98.3	98.4	98.9	98.9	99.0	99.0	99.0
≥ 100	61.3	87.1	90.0	92.8	95.8	95.8	95.8	96.0	97.0	98.3	98.4	98.9	98.9	99.0	99.0	99.0
≥ 0	61.3	87.1	90.0	92.8	95.8	95.8	95.8	96.0	97.0	98.3	98.4	98.9	98.9	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

R04

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/FAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.01
NO CEILING	46.5	59.6	60.9	61.3	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	49.1	62.8	64.2	64.7	65.8	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 18000	49.1	63.0	64.5	65.0	66.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 16000	49.1	63.0	64.5	65.0	66.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 14000	49.7	63.9	65.7	66.2	67.4	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	50.5	64.7	66.5	67.0	68.2	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 10000	50.9	65.1	66.9	67.4	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 9000	50.9	65.1	66.9	67.4	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	51.2	65.4	67.2	67.7	68.9	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	51.3	65.5	67.3	67.8	69.1	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 6000	51.8	66.1	67.8	68.5	69.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	51.8	66.1	67.8	68.5	69.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	51.8	66.1	67.8	68.5	69.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	52.0	66.5	68.2	68.9	70.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	52.2	66.7	68.8	69.5	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	53.6	68.4	70.3	71.0	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 2500	53.9	69.2	71.1	71.8	73.0	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2000	55.1	70.7	72.6	73.3	74.5	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1800	55.5	71.9	73.8	74.5	75.7	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1500	56.4	73.8	75.7	76.5	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1200	57.7	76.8	78.8	79.6	81.0	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1000	58.1	78.4	80.5	81.3	82.6	83.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	58.3	79.0	81.1	82.6	84.0	84.4	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	58.5	79.4	82.0	83.4	84.9	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 700	58.6	80.3	83.6	85.2	86.8	87.4	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 600	58.6	81.8	85.3	87.5	89.6	90.4	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	58.6	82.7	86.3	88.7	91.0	91.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 400	58.6	82.2	86.3	89.6	92.7	93.5	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	58.6	82.2	86.3	89.6	92.8	93.6	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	58.6	82.2	86.3	89.6	92.8	93.6	95.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	58.6	82.2	86.3	89.6	92.8	93.6	95.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 0	58.6	82.2	86.3	89.6	92.8	93.6	95.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

737

USAF ETAC

FORM 1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74, 77

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ 0
NO CEILING	36.9	49.7	50.0	50.5	50.7	50.7	50.9	51.2	51.2	51.2	51.4	51.4	51.6	51.7	53.0	53.8
≥ 20000	37.4	50.9	51.2	51.7	51.9	51.9	52.1	52.4	52.4	52.4	52.6	52.6	52.8	53.0	54.2	55.1
≥ 18000	37.8	51.0	51.4	51.9	52.1	52.1	52.3	52.6	52.6	52.6	52.8	52.8	53.0	53.1	54.4	55.2
≥ 16000	38.2	51.7	52.1	52.6	52.8	52.8	53.0	53.3	53.3	53.3	53.5	53.5	53.7	53.8	55.1	55.9
≥ 14000	38.6	52.4	52.8	53.3	53.5	53.5	53.7	54.0	54.0	54.0	54.2	54.2	54.4	54.5	55.8	56.6
≥ 12000	39.0	52.8	53.1	53.7	53.8	53.8	54.0	54.4	54.4	54.4	54.5	54.5	54.7	54.9	56.1	57.0
≥ 10000	39.7	53.5	53.8	54.4	54.5	54.5	54.7	55.1	55.1	55.1	55.2	55.2	55.4	55.6	56.8	57.7
≥ 9000	39.9	53.7	54.0	54.5	54.7	54.7	54.9	55.2	55.2	55.2	55.4	55.4	55.6	55.8	57.0	57.9
≥ 8000	39.9	53.8	54.2	54.7	54.9	54.9	55.1	55.4	55.4	55.4	55.6	55.6	55.8	55.9	57.2	58.0
≥ 7000	40.0	54.2	54.5	55.1	55.2	55.2	55.4	55.8	55.8	55.8	55.9	55.9	56.1	56.2	57.5	58.4
≥ 6000	40.0	54.2	54.5	55.1	55.2	55.2	55.4	55.8	55.8	55.8	55.9	55.9	56.1	56.2	57.5	58.4
≥ 5000	40.2	54.4	54.7	55.2	55.4	55.4	55.6	55.9	55.9	55.9	56.1	56.1	56.2	56.3	57.7	58.6
≥ 4500	40.6	54.7	55.1	55.6	55.8	55.8	55.9	56.3	56.3	56.3	56.5	56.5	56.6	56.8	58.0	58.9
≥ 4000	40.6	54.7	55.1	55.6	55.8	55.8	55.9	56.3	56.3	56.3	56.5	56.5	56.6	56.8	58.0	58.9
≥ 3500	41.3	55.4	55.8	56.3	56.5	56.5	56.6	57.0	57.0	57.0	57.2	57.2	57.3	57.5	58.7	59.6
≥ 3000	41.6	56.3	56.6	57.2	57.3	57.3	57.5	57.9	57.9	57.9	58.0	58.0	58.2	58.4	59.6	60.5
≥ 2500	43.2	59.1	59.4	60.0	60.1	60.1	60.3	60.7	60.7	60.7	60.8	60.8	61.0	61.2	62.4	63.3
≥ 2000	43.4	60.3	60.7	61.4	61.5	61.5	61.7	62.1	62.1	62.1	62.2	62.2	62.4	62.6	63.8	64.7
≥ 1800	43.9	61.5	61.9	62.6	62.8	62.8	62.9	63.3	63.3	63.3	63.5	63.5	63.6	63.8	65.0	65.9
≥ 1500	44.9	63.5	63.8	64.5	64.9	64.9	65.0	65.4	65.4	65.4	65.6	65.6	65.7	65.9	67.1	68.0
≥ 1200	46.3	66.1	66.4	67.1	67.5	67.5	67.7	68.0	68.0	68.0	68.2	68.2	68.4	68.5	69.8	70.6
≥ 1000	46.9	67.0	67.3	68.0	68.4	68.4	68.5	69.1	69.1	69.1	69.2	69.2	69.4	69.6	70.8	71.7
≥ 900	47.4	68.4	68.7	69.9	70.3	70.3	70.5	71.0	71.0	71.0	71.2	71.2	71.3	71.5	72.7	73.6
≥ 800	47.7	70.3	71.0	72.2	72.6	72.6	72.7	73.4	73.4	73.4	73.6	73.6	73.8	74.0	75.2	76.0
≥ 700	47.7	71.0	72.6	74.1	74.8	74.8	75.0	75.7	75.7	75.7	75.9	75.9	76.0	76.2	77.4	78.3
≥ 600	47.7	71.7	73.8	76.4	77.1	77.1	77.4	78.1	78.1	78.1	78.3	78.3	78.5	78.7	79.9	80.8
≥ 500	47.9	72.6	74.8	78.3	79.0	79.0	79.4	80.1	80.1	80.2	80.4	80.4	80.6	80.8	82.0	82.9
≥ 400	47.9	73.1	75.7	80.6	81.8	81.8	82.2	83.0	83.0	83.4	83.7	83.7	83.9	84.1	85.3	86.2
≥ 300	47.9	73.1	75.7	80.8	82.9	82.9	83.4	84.6	84.8	85.8	86.2	86.2	86.5	86.7	88.1	89.2
≥ 200	47.9	73.1	75.7	80.8	83.0	83.0	83.7	85.1	85.3	86.5	87.1	87.2	87.6	88.1	90.7	93.5
≥ 100	47.9	73.1	75.7	80.8	83.0	83.0	83.7	85.1	85.3	86.7	87.2	87.4	87.8	88.3	92.5	99.5
≥ 0	47.9	73.1	75.7	80.8	83.0	83.0	83.7	85.1	85.3	86.7	87.2	87.4	87.8	88.3	92.8	100.0

TOTAL NUMBER OF OBSERVATIONS

572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 77-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	36.1	50.4	51.2	51.7	53.1	53.1	53.5	53.7	53.7	54.1	54.1	54.2	54.6	55.4	56.6	57.1
≥ 20000	36.1	50.4	51.2	51.7	53.1	53.1	53.5	53.7	53.7	54.1	54.1	54.2	54.6	55.4	56.6	57.1
≥ 18000	36.1	50.6	51.4	51.9	53.3	53.3	53.7	53.9	53.9	54.2	54.2	54.4	54.8	55.6	56.8	57.3
≥ 16000	36.1	51.0	51.7	52.3	53.7	53.7	54.1	54.2	54.2	54.6	54.6	54.8	55.2	56.0	57.1	57.7
≥ 14000	36.5	51.4	52.1	52.7	54.1	54.1	54.4	54.6	54.6	55.0	55.0	55.2	55.6	56.4	57.5	58.1
≥ 12000	36.9	51.9	52.7	53.3	54.6	54.6	55.0	55.2	55.2	55.6	55.6	55.8	56.2	56.9	58.1	58.7
≥ 10000	37.5	52.5	53.3	53.9	55.2	55.2	55.6	55.8	55.8	56.2	56.2	56.4	56.8	57.5	58.7	59.3
≥ 9000	37.5	52.5	53.3	53.9	55.2	55.2	55.6	55.8	55.8	56.2	56.2	56.4	56.8	57.5	58.7	59.3
≥ 8000	37.5	52.7	53.5	54.1	55.4	55.4	55.8	56.0	56.0	56.4	56.4	56.6	56.9	57.7	58.9	59.5
≥ 7000	37.5	52.7	53.5	54.1	55.4	55.4	55.8	56.0	56.0	56.4	56.4	56.6	56.9	57.7	58.9	59.5
≥ 6000	37.5	52.7	53.5	54.1	55.4	55.4	55.8	56.0	56.0	56.4	56.4	56.6	56.9	57.7	58.9	59.5
≥ 5000	37.5	52.7	53.5	54.1	55.4	55.4	55.8	56.0	56.0	56.4	56.4	56.6	56.9	57.7	58.9	59.5
≥ 4500	37.5	52.7	53.5	54.1	55.4	55.4	55.8	56.0	56.0	56.4	56.4	56.6	56.9	57.7	58.9	59.5
≥ 4000	37.5	52.7	53.5	54.1	55.4	55.4	55.8	56.0	56.0	56.4	56.4	56.6	56.9	57.7	58.9	59.5
≥ 3500	38.4	53.7	54.4	55.0	56.4	56.4	56.8	56.9	56.9	57.3	57.3	57.5	57.9	58.7	59.8	60.4
≥ 3000	38.4	54.6	55.4	56.0	57.3	57.3	57.7	57.9	57.9	58.3	58.3	58.5	58.9	59.7	60.8	61.4
≥ 2500	39.2	56.0	56.8	57.3	58.7	58.7	59.1	59.3	59.3	59.7	59.7	59.8	60.2	61.0	62.2	62.7
≥ 2000	40.0	57.7	58.5	59.1	60.4	60.4	60.8	61.0	61.0	61.4	61.4	61.6	62.0	62.7	63.9	64.5
≥ 1800	41.7	59.8	60.6	61.2	62.5	62.5	62.9	63.1	63.1	63.5	63.5	63.7	64.1	64.9	66.0	66.6
≥ 1500	42.9	61.4	62.2	62.9	64.5	64.5	64.9	65.1	65.1	65.4	65.4	65.6	66.0	66.8	68.0	68.5
≥ 1200	44.0	65.6	66.4	67.2	68.7	68.7	69.3	69.5	69.5	69.9	69.9	70.1	70.5	71.2	72.4	73.0
≥ 1000	44.4	66.8	67.6	68.3	69.9	69.9	70.5	70.7	70.7	71.0	71.0	71.2	71.6	72.4	73.6	74.1
≥ 900	45.0	68.7	69.7	70.8	72.4	72.4	73.0	73.2	73.2	73.6	73.6	73.7	74.1	74.9	76.1	76.6
≥ 800	45.4	70.5	71.4	72.6	74.1	74.1	74.7	74.9	74.9	75.3	75.3	75.5	75.9	76.6	77.8	78.4
≥ 700	45.4	71.4	72.8	73.9	75.5	75.5	76.1	76.3	76.3	76.6	76.6	76.8	77.2	78.0	79.2	79.7
≥ 600	45.4	72.2	74.5	75.9	77.4	77.4	78.0	78.2	78.2	78.6	78.6	78.8	79.2	79.9	81.1	81.7
≥ 500	45.4	72.4	75.5	78.0	79.7	79.7	80.3	80.7	80.9	81.3	81.5	81.7	82.0	82.8	84.0	84.6
≥ 400	45.4	72.4	75.9	79.3	81.7	81.7	82.4	82.8	83.0	83.4	83.6	83.8	84.2	84.9	86.1	86.7
≥ 300	45.4	72.6	76.1	79.7	82.2	82.6	83.6	84.2	84.4	85.1	85.3	85.5	85.9	86.7	87.8	88.4
≥ 200	45.4	72.6	76.1	79.9	82.4	82.8	83.8	84.7	84.9	86.1	86.5	86.7	87.1	88.0	90.2	92.7
≥ 100	45.4	72.6	76.1	79.9	82.4	82.8	83.8	84.7	84.9	86.1	86.5	86.9	87.3	88.2	91.9	99.2
≥ 0	45.4	72.6	76.1	79.9	82.4	82.8	83.8	84.7	84.9	86.1	86.5	86.9	87.3	88.2	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS

518

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

QC I

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005
NO CEILING	41.9	54.0	55.2	56.0	56.9	57.1	57.3	57.5	57.6	57.7	57.7	57.8	57.9	58.2	58.8	59.5
≥ 20000	43.2	55.9	57.1	58.0	59.0	59.1	59.3	59.6	59.6	59.7	59.8	59.9	60.0	60.2	60.8	61.6
≥ 18000	43.3	56.1	57.4	58.3	59.2	59.4	59.6	59.9	59.9	60.0	60.1	60.1	60.2	60.5	61.1	61.9
≥ 16000	43.6	56.5	57.7	58.7	59.6	59.8	60.0	60.3	60.4	60.5	60.5	60.6	60.9	61.5	62.3	62.9
≥ 14000	44.0	57.3	58.6	59.5	60.5	60.6	60.9	61.1	61.2	61.3	61.3	61.4	61.5	61.8	62.3	63.1
≥ 12000	44.4	57.7	59.0	60.0	61.0	61.1	61.4	61.6	61.6	61.7	61.8	61.9	62.0	62.3	62.9	63.6
≥ 10000	44.9	58.3	59.6	60.6	61.6	61.7	61.9	62.2	62.2	62.3	62.4	62.4	62.6	62.9	63.5	64.2
≥ 9000	44.9	58.3	59.6	60.6	61.6	61.7	61.9	62.2	62.2	62.3	62.4	62.5	62.6	62.9	63.5	64.2
≥ 8000	45.2	58.8	60.1	61.1	62.0	62.2	62.4	62.7	62.7	62.8	62.9	62.9	63.0	63.3	63.9	64.7
≥ 7000	45.3	58.9	60.2	61.2	62.1	62.3	62.5	62.8	62.8	62.9	63.0	63.0	63.1	63.4	64.1	64.8
≥ 6000	45.7	59.3	60.6	61.6	62.6	62.8	63.0	63.2	63.3	63.4	63.4	63.5	63.6	63.9	64.5	65.3
≥ 5000	45.7	59.3	60.8	61.8	62.7	62.9	63.1	63.4	63.4	63.5	63.6	63.6	63.7	64.0	64.7	65.4
≥ 4500	45.8	59.6	60.9	61.9	62.9	63.1	63.3	63.5	63.6	63.7	63.7	63.8	63.9	64.2	64.8	65.6
≥ 4000	46.1	60.0	61.3	62.3	63.3	63.4	63.6	63.9	63.9	64.0	64.1	64.2	64.3	64.6	65.2	65.9
≥ 3500	46.6	60.5	61.8	62.8	63.8	63.9	64.2	64.4	64.5	64.6	64.6	64.7	64.8	65.1	65.7	66.5
≥ 3000	46.9	61.1	62.4	63.4	64.4	64.5	64.8	65.0	65.0	65.1	65.2	65.3	65.4	65.7	66.3	67.1
≥ 2500	47.9	62.6	64.0	65.0	66.0	66.2	66.4	66.6	66.7	66.8	66.8	66.9	67.0	67.3	67.9	68.7
≥ 2000	48.5	64.0	65.5	66.5	67.6	67.8	68.0	68.3	68.3	68.4	68.5	68.6	68.7	69.0	69.6	70.4
≥ 1800	49.1	65.3	66.7	67.8	68.9	69.1	69.4	69.6	69.6	69.7	69.8	69.9	70.0	70.3	70.9	71.7
≥ 1500	49.9	67.0	68.5	69.7	71.0	71.2	71.5	71.7	71.8	71.9	71.9	72.0	72.1	72.4	73.1	73.8
≥ 1200	50.8	69.6	71.2	72.5	73.8	74.0	74.4	74.6	74.7	74.8	74.9	74.9	75.0	75.3	76.0	76.7
≥ 1000	51.1	70.8	72.5	73.9	75.2	75.4	75.8	76.1	76.2	76.3	76.3	76.4	76.5	76.8	77.5	78.2
≥ 900	51.3	71.8	73.7	75.3	76.8	77.0	77.4	77.7	77.8	77.9	78.0	78.0	78.1	78.4	79.1	79.8
≥ 800	51.4	72.8	74.9	76.9	78.6	78.8	79.2	79.5	79.5	79.6	79.7	79.8	79.9	80.2	80.8	81.6
≥ 700	51.5	73.4	75.9	78.0	79.7	80.0	80.4	80.8	80.8	80.9	81.0	81.0	81.1	81.4	82.1	82.8
≥ 600	51.5	74.1	76.9	79.5	81.6	81.9	82.5	82.9	82.9	83.0	83.1	83.2	83.3	83.6	84.2	85.0
≥ 500	51.5	74.5	77.6	80.8	83.2	83.5	84.3	84.8	84.9	85.0	85.1	85.2	85.3	85.6	86.2	87.0
≥ 400	51.5	74.5	77.8	81.9	84.9	85.4	86.5	87.1	87.2	87.5	87.7	87.8	87.9	88.2	88.9	89.6
≥ 300	51.5	74.6	77.8	82.1	85.3	86.0	87.4	88.5	88.7	89.3	89.5	89.7	89.9	90.3	91.3	92.1
≥ 200	51.5	74.6	77.8	82.1	85.4	86.1	87.6	88.9	89.0	89.8	90.2	90.4	91.0	91.6	93.1	95.4
≥ 100	51.5	74.6	77.8	82.1	85.4	86.1	87.6	88.9	89.1	89.9	90.3	90.6	91.2	91.9	94.1	99.5
≥ 0	51.5	74.6	77.8	82.1	85.4	86.1	87.6	88.9	89.1	89.9	90.3	90.6	91.2	91.9	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS

4932

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	48.9	58.9	58.9	59.2	59.7	60.0	60.3	61.1	61.4	61.9	62.2	62.5	62.5	62.8	63.9	65.6
≥ 20000	50.0	60.6	60.6	60.8	61.4	61.7	61.9	62.8	63.1	63.6	63.9	64.2	64.2	64.4	65.6	67.2
≥ 18000	50.0	60.8	60.8	61.1	61.7	61.9	62.2	63.1	63.3	63.9	64.2	64.4	64.4	64.7	65.8	67.5
≥ 16000	50.3	61.1	61.1	61.4	61.9	62.2	62.5	63.3	63.6	64.2	64.4	64.7	64.7	65.0	66.1	67.8
≥ 14000	50.8	61.7	61.7	61.9	62.5	62.8	63.1	63.9	64.2	64.7	65.0	65.3	65.3	65.6	66.7	68.3
≥ 12000	51.1	62.2	62.2	62.5	63.1	63.3	63.6	64.4	64.7	65.3	65.6	65.8	65.8	66.1	67.2	68.9
≥ 10000	51.9	63.3	63.3	63.6	64.2	64.4	64.7	65.6	65.8	66.4	66.7	66.9	66.9	67.2	68.3	70.0
≥ 9000	52.2	63.6	63.6	63.9	64.4	64.7	65.0	65.8	66.1	66.7	66.9	67.2	67.2	67.5	68.6	70.3
≥ 8000	52.8	64.2	64.2	64.4	65.0	65.3	65.6	66.4	66.7	67.2	67.5	67.8	67.8	68.1	69.2	70.8
≥ 7000	52.8	64.2	64.2	64.4	65.0	65.3	65.6	66.4	66.7	67.2	67.5	67.8	67.8	68.1	69.2	70.8
≥ 6000	53.1	64.4	64.4	64.7	65.3	65.6	65.8	66.7	66.9	67.5	67.8	68.1	68.1	68.3	69.4	71.1
≥ 5000	53.3	64.7	64.7	65.0	65.6	65.8	66.1	66.9	67.2	67.8	68.1	68.3	68.3	68.6	69.7	71.4
≥ 4500	53.3	64.7	65.0	65.3	65.8	66.1	66.4	67.2	67.5	68.1	68.3	68.6	68.6	68.9	70.0	71.7
≥ 4000	53.6	65.0	65.3	65.6	66.1	66.4	66.7	67.5	67.8	68.3	68.6	68.9	68.9	69.2	70.3	71.9
≥ 3500	53.9	65.3	65.6	65.8	66.4	66.7	66.9	67.8	68.1	68.6	68.9	69.2	69.2	69.4	70.6	72.2
≥ 3000	55.3	67.2	67.5	67.8	68.3	68.6	68.9	69.7	70.0	70.6	70.8	71.1	71.1	71.4	72.5	74.2
≥ 2500	55.6	68.6	68.9	69.2	69.7	70.0	70.3	71.1	71.4	71.9	72.2	72.5	72.5	72.8	73.9	75.6
≥ 2000	56.4	70.8	71.1	72.2	73.1	73.3	73.6	74.4	74.7	75.3	75.6	75.8	75.8	76.1	77.2	78.9
≥ 1800	56.4	71.1	71.4	72.5	73.3	73.6	73.9	74.7	75.0	75.6	75.8	76.1	76.1	76.4	77.5	79.2
≥ 1500	56.4	73.9	74.2	75.3	76.1	76.4	76.7	77.5	77.8	78.3	78.6	78.9	78.9	79.2	80.3	81.9
≥ 1200	56.9	74.7	75.6	77.2	78.1	78.3	78.6	79.4	79.7	80.3	80.6	80.8	80.8	81.1	82.2	83.9
≥ 1000	56.9	75.0	75.8	77.5	78.3	78.9	79.2	80.0	80.3	80.8	81.1	81.4	81.4	81.7	82.8	84.4
≥ 900	57.2	75.6	76.4	78.1	79.2	79.7	80.0	80.8	81.1	81.7	81.9	82.2	82.2	82.5	83.6	85.3
≥ 800	57.2	75.8	76.7	78.6	79.7	80.3	80.6	81.4	81.7	82.2	82.5	82.8	82.8	83.1	84.2	85.8
≥ 700	57.2	76.1	77.2	79.2	80.3	81.1	81.4	82.2	82.5	83.1	83.3	83.6	83.6	83.9	85.0	86.7
≥ 600	57.2	76.1	77.5	79.4	80.6	81.4	81.7	82.5	82.8	83.3	83.6	83.9	83.9	84.2	85.3	86.9
≥ 500	57.2	76.4	78.1	80.0	81.1	81.9	82.2	83.1	83.3	83.9	84.2	84.4	84.4	84.7	85.8	87.5
≥ 400	57.5	76.9	78.6	81.1	82.2	83.1	83.3	84.2	84.4	85.0	85.3	85.6	85.6	85.8	86.9	88.6
≥ 300	57.5	76.9	78.6	81.1	82.2	83.1	83.9	85.0	85.6	86.7	86.9	87.2	87.2	87.5	88.9	90.6
≥ 200	57.5	76.9	78.6	81.1	82.2	83.1	83.9	85.3	85.8	86.9	87.2	87.5	87.5	87.8	89.7	93.3
≥ 100	57.5	76.9	78.6	81.1	82.2	83.1	83.9	85.3	85.8	86.9	87.5	87.8	87.8	88.3	90.6	99.4
≥ 0	57.5	76.9	78.6	81.1	82.2	83.1	83.9	85.3	85.8	86.9	87.5	87.8	87.8	88.3	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS

360

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ .05
NO CEILING	48.9	55.8	56.4	56.7	57.5	57.8	58.6	58.6	58.9	58.9	59.2	59.7	60.0	60.3	62.2	65.0
≥ 20000	49.7	56.9	57.5	57.8	58.4	58.9	59.7	59.7	60.0	60.0	60.3	60.8	61.1	61.4	63.3	66.1
IV 18000	50.0	57.2	57.8	58.1	58.9	59.2	60.0	60.0	60.3	60.3	60.6	61.1	61.4	61.7	63.6	66.4
IV 16000	50.0	57.2	57.8	58.1	58.9	59.2	60.0	60.0	60.3	60.3	60.6	61.1	61.4	61.7	63.6	66.4
IV 14000	50.6	57.8	58.3	58.6	59.4	59.7	60.6	60.6	60.8	60.8	61.1	61.7	61.9	62.2	64.2	66.9
IV 12000	51.4	58.6	59.2	59.4	60.3	60.6	61.4	61.4	61.7	61.7	61.9	62.5	62.8	63.1	65.0	67.8
IV 10000	52.2	59.7	60.6	61.1	61.9	62.7	63.1	63.1	63.3	63.3	63.6	64.2	64.4	64.7	66.7	69.4
IV 9000	53.1	60.6	61.4	61.9	62.7	63.1	63.9	63.9	64.2	64.2	64.4	65.0	65.3	65.6	67.5	70.3
IV 8000	53.1	60.8	61.7	62.2	63.1	63.3	64.2	64.2	64.4	64.4	64.7	65.3	65.6	65.8	67.8	70.6
IV 7000	53.3	61.1	61.9	62.5	63.3	63.6	64.4	64.4	64.7	64.7	65.0	65.6	65.8	66.1	68.1	70.8
IV 6000	53.3	61.1	61.9	62.5	63.3	63.6	64.4	64.4	64.7	64.7	65.0	65.6	65.8	66.1	68.1	70.8
IV 5000	53.6	61.4	62.2	62.8	63.6	63.9	64.7	64.7	65.0	65.0	65.3	65.8	66.1	66.4	68.3	71.1
IV 4500	53.9	61.7	62.5	63.1	63.9	64.2	65.0	65.0	65.3	65.3	65.6	66.1	66.4	66.7	68.6	71.4
IV 4000	54.4	62.5	63.3	63.9	64.7	65.0	65.8	65.8	66.1	66.1	66.4	66.9	67.2	67.5	69.4	72.2
IV 3500	54.7	63.9	65.0	65.6	66.4	66.7	67.5	67.5	67.8	67.8	68.1	68.6	68.9	69.2	71.1	73.9
IV 3000	54.7	63.9	65.0	65.6	66.4	66.7	67.5	67.5	67.8	67.8	68.1	68.6	68.9	69.2	71.1	73.9
IV 2500	54.7	65.6	66.7	67.2	68.1	68.3	69.2	69.2	69.4	69.4	69.7	70.3	70.6	70.8	72.8	75.6
IV 2000	55.0	68.6	70.0	70.6	71.7	71.9	72.8	72.8	73.1	73.1	73.3	73.9	74.2	74.4	76.4	79.2
IV 1800	55.0	71.4	72.8	73.3	74.4	74.7	75.6	75.6	75.8	75.8	76.1	76.7	76.9	77.2	79.2	81.9
IV 1500	55.0	73.3	75.0	75.6	76.7	76.9	77.8	77.8	78.1	78.1	78.3	78.9	79.2	79.4	81.4	84.2
IV 1200	55.6	76.4	78.1	78.6	79.7	80.0	80.8	80.8	81.1	81.1	81.4	81.9	82.2	82.5	84.4	87.2
IV 1000	55.6	77.2	78.9	79.7	80.8	81.4	82.2	82.2	82.5	82.5	82.8	83.3	83.6	83.9	85.8	88.6
IV 900	55.6	77.2	78.9	79.7	80.8	81.4	82.2	82.2	82.5	82.5	82.8	83.3	83.6	83.9	85.8	88.6
IV 800	55.6	77.5	79.4	80.3	81.4	81.9	82.3	82.3	82.6	82.6	83.0	83.4	83.7	84.1	86.0	88.8
IV 700	55.6	77.8	80.0	80.8	82.5	83.1	84.4	84.4	84.7	84.7	85.0	85.6	85.8	86.1	88.1	90.8
IV 600	55.6	77.8	80.0	80.8	82.5	83.1	84.4	84.4	84.7	84.7	85.0	85.6	85.8	86.1	88.1	90.8
IV 500	55.6	77.8	80.3	81.1	82.8	83.3	84.7	84.7	85.0	85.0	85.3	85.8	86.1	86.4	88.3	91.1
IV 400	55.6	77.8	80.3	81.1	83.1	83.6	85.0	85.0	85.3	85.3	85.6	86.1	86.4	86.7	88.6	91.4
IV 300	55.6	78.1	80.6	81.4	83.3	83.9	85.6	85.6	86.1	86.1	86.4	86.9	87.2	87.5	89.7	92.5
IV 200	55.6	78.1	80.6	81.4	83.3	83.9	85.6	85.6	86.1	86.1	86.4	86.9	87.2	87.5	89.7	92.5
IV 100	55.6	78.1	80.6	81.4	83.3	83.9	85.6	85.6	86.1	86.1	86.4	86.9	87.2	87.5	89.7	92.5
IV 0	55.6	78.1	80.6	81.4	83.3	83.9	85.6	85.6	86.1	86.1	86.4	86.9	87.2	87.5	89.7	92.5

TOTAL NUMBER OF OBSERVATIONS

360

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.9	59.0	59.5	60.0	60.6	60.6	61.3	61.5	61.5	61.6	61.8	61.8	62.2	62.5	63.4	65.2
≥ 20000	59.1	63.4	63.9	64.5	65.0	65.0	65.7	65.9	65.9	66.1	66.3	66.3	66.6	67.0	67.9	69.9
≥ 18000	59.3	63.8	64.3	64.8	65.4	65.4	66.1	66.3	66.3	66.4	66.6	66.6	67.0	67.3	68.2	70.0
≥ 16000	59.9	64.8	65.4	65.9	66.4	66.4	67.1	67.3	67.3	67.5	67.7	67.7	68.0	68.4	69.3	71.0
≥ 14000	60.9	66.1	66.6	67.1	67.7	67.7	68.4	68.6	68.6	68.7	68.9	68.9	69.4	69.8	70.9	72.6
≥ 12000	61.3	66.4	67.0	67.5	68.2	68.2	68.9	69.1	69.1	69.3	69.4	69.4	70.0	70.3	71.4	73.2
≥ 10000	61.8	67.1	67.7	68.2	68.9	68.9	69.6	69.8	69.8	70.0	70.2	70.3	70.9	71.2	72.3	74.1
≥ 9000	62.2	67.5	68.0	68.6	69.3	69.3	70.0	70.2	70.2	70.3	70.5	70.7	71.2	71.6	72.6	74.4
≥ 8000	62.9	68.2	68.9	69.4	70.2	70.2	70.9	71.0	71.0	71.2	71.4	71.6	72.1	72.5	73.5	75.3
≥ 7000	63.1	68.6	69.3	69.8	70.5	70.5	71.2	71.4	71.4	71.6	71.8	71.9	72.3	72.8	73.9	75.7
≥ 6000	63.4	68.9	69.6	70.2	70.9	70.9	71.6	71.8	71.8	71.9	72.1	72.3	72.8	73.2	74.2	76.0
≥ 5000	64.1	69.6	70.3	70.9	71.6	71.6	72.3	72.5	72.5	72.6	72.8	73.0	73.5	73.9	75.0	76.7
≥ 4500	64.5	70.0	70.7	71.2	71.9	71.9	72.6	72.8	72.8	73.0	73.2	73.4	73.9	74.2	75.3	77.1
≥ 4000	65.2	71.0	71.9	72.5	73.2	73.2	73.9	74.1	74.1	74.2	74.4	74.6	75.1	75.5	76.6	78.3
≥ 3500	65.4	71.2	72.1	72.6	73.4	73.4	74.1	74.2	74.2	74.4	74.6	74.8	75.3	75.7	76.7	78.5
≥ 3000	65.9	71.8	72.6	73.2	73.9	73.9	74.6	74.8	74.8	75.0	75.1	75.3	75.8	76.2	77.3	79.0
≥ 2500	66.4	73.2	74.1	74.6	75.3	75.3	76.0	76.2	76.2	76.4	76.6	76.7	77.3	77.6	78.7	80.5
≥ 2000	67.1	75.3	76.6	77.1	77.8	77.8	78.5	78.7	78.7	78.9	79.0	79.2	79.8	80.1	81.2	83.1
≥ 1800	67.9	76.6	78.0	78.5	79.2	79.2	79.9	80.1	80.1	80.3	80.5	80.6	81.2	81.5	82.6	84.5
≥ 1500	68.7	78.2	79.6	80.1	80.8	80.8	81.5	81.7	81.7	81.9	82.1	82.2	82.8	83.1	84.2	86.1
≥ 1200	68.9	79.6	81.0	81.7	82.4	82.4	83.3	83.5	83.5	83.7	83.8	84.0	84.5	84.9	86.0	87.9
≥ 1000	68.9	80.3	81.7	82.4	83.3	83.3	84.2	84.4	84.4	84.5	84.7	84.9	85.4	85.8	86.9	88.8
≥ 900	69.1	81.2	82.6	83.3	84.2	84.2	85.1	85.6	85.6	85.8	86.0	86.1	86.7	87.0	88.1	90.1
≥ 800	69.1	81.2	82.6	83.3	84.2	84.2	85.1	85.6	85.6	85.8	86.0	86.1	86.7	87.0	88.1	90.1
≥ 700	69.1	81.2	82.6	83.3	84.2	84.2	85.1	85.6	85.6	85.8	86.0	86.1	86.7	87.0	88.1	90.1
≥ 600	69.1	81.2	82.6	83.3	84.2	84.2	85.1	85.6	85.6	85.8	86.0	86.1	86.7	87.0	88.1	90.1
≥ 500	69.3	81.3	83.1	84.0	85.4	85.6	87.2	87.6	87.6	87.7	87.9	88.1	88.6	89.0	90.1	92.0
≥ 400	69.3	81.7	83.5	84.4	86.0	86.3	87.9	88.3	88.3	88.5	88.6	88.8	89.3	89.7	90.8	92.7
≥ 300	69.3	81.7	83.5	84.5	86.1	86.5	88.3	89.0	89.0	89.2	89.3	89.5	90.1	90.4	91.5	93.4
≥ 200	69.3	81.7	83.5	84.5	86.1	86.5	88.8	89.7	89.7	89.9	90.1	90.4	91.1	91.7	92.8	94.7
≥ 100	69.3	81.7	83.5	84.5	86.1	86.5	88.8	89.7	89.7	90.1	90.2	90.6	91.3	91.8	92.9	94.8
≥ 0	69.3	81.7	83.5	84.5	86.1	86.5	88.8	89.7	89.7	90.1	90.2	90.6	91.3	91.8	92.9	94.8

TOTAL NUMBER OF OBSERVATIONS

563

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	61.0	67.9	69.4	70.2	70.6	70.7	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.5	71.5	71.5
≥ 20000	64.5	71.8	73.1	74.1	74.5	74.6	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.4	75.4	75.4
≥ 18000	65.2	72.6	73.9	74.9	75.3	75.4	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.2	76.2	76.2
≥ 16000	65.4	72.9	74.1	75.2	75.5	75.7	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.4	76.4	76.4
≥ 14000	66.1	73.8	75.2	76.2	76.6	76.7	77.1	77.2	77.2	77.5	77.5	77.5	77.5	77.6	77.6	77.6
≥ 12000	66.9	75.2	76.6	77.6	78.0	78.1	78.5	78.6	78.6	78.9	78.9	78.9	78.9	79.0	79.0	79.0
≥ 10000	67.5	75.9	77.3	78.3	78.7	78.9	79.2	79.4	79.4	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 9000	67.5	75.9	77.3	78.3	78.7	78.9	79.2	79.4	79.4	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 8000	68.2	76.6	78.0	79.0	79.4	79.5	79.9	80.0	80.0	80.3	80.3	80.3	80.3	80.4	80.4	80.4
≥ 7000	68.7	77.1	78.5	79.5	79.9	80.0	80.4	80.5	80.5	80.8	80.8	80.8	80.8	80.9	80.9	80.9
≥ 6000	69.3	77.7	79.1	80.1	80.5	80.6	81.0	81.1	81.1	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥ 5000	69.7	78.1	79.5	80.5	80.9	81.0	81.4	81.5	81.5	81.8	81.8	81.8	81.8	81.9	81.9	81.9
≥ 4500	70.2	78.6	80.0	81.0	81.4	81.5	81.9	82.0	82.0	82.3	82.3	82.3	82.3	82.4	82.4	82.4
≥ 4000	70.6	79.0	80.4	81.4	81.8	81.9	82.3	82.4	82.4	82.7	82.7	82.7	82.7	82.8	82.8	82.8
≥ 3500	71.0	79.5	80.9	81.9	82.3	82.4	82.8	82.9	82.9	83.2	83.2	83.2	83.2	83.3	83.3	83.3
≥ 3000	71.7	80.8	82.2	83.2	83.6	83.7	84.1	84.2	84.2	84.5	84.5	84.5	84.5	84.6	84.6	84.6
≥ 2500	73.6	82.9	84.3	85.3	86.0	86.1	86.5	86.6	86.6	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 2000	74.3	83.9	85.4	86.5	87.1	87.3	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.2	88.2	88.2
≥ 1800	74.9	85.0	86.4	87.6	88.4	88.5	88.9	89.0	89.0	89.3	89.3	89.3	89.3	89.4	89.4	89.4
≥ 1500	76.3	86.5	88.0	89.3	90.2	90.3	90.7	90.8	90.8	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1200	76.4	86.9	88.4	90.1	91.0	91.2	91.6	91.8	91.8	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 1000	76.7	87.4	88.9	90.6	91.0	91.8	92.4	92.6	92.6	92.9	92.9	92.9	92.9	93.0	93.0	93.0
≥ 900	76.8	87.6	89.3	91.1	92.4	92.6	93.1	93.4	93.4	93.6	93.6	93.6	93.6	93.8	93.8	93.8
≥ 800	76.8	88.0	89.7	91.8	93.1	93.4	93.9	94.1	94.1	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 700	77.1	88.5	90.2	92.5	93.6	94.1	94.6	94.9	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3
≥ 600	77.1	88.5	90.2	92.5	93.6	94.3	94.8	95.0	95.0	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥ 500	77.1	88.7	90.4	92.9	94.4	94.9	95.5	96.1	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 400	77.1	88.7	90.4	93.0	94.6	95.5	96.6	97.3	97.3	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 300	77.1	88.7	90.4	93.0	94.6	95.8	96.9	98.0	98.2	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 200	77.1	88.7	90.4	93.0	94.6	95.8	96.9	98.0	98.2	98.6	98.7	98.9	98.9	99.0	99.1	99.1
≥ 100	77.1	88.7	90.4	93.0	94.6	95.8	96.9	98.0	98.2	98.6	98.7	98.9	98.9	99.0	99.1	99.1
≥ 50	77.1	88.7	90.4	93.0	94.6	95.8	96.9	98.0	98.2	98.6	98.7	98.9	98.9	99.0	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

785

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VAHLENBERG AFB CA

7-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	59.8	66.9	68.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	65.6	72.5	75.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 18000	66.3	74.2	75.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 16000	66.4	74.6	76.1	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 14000	67.9	76.2	77.7	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	69.1	77.5	79.0	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	69.6	78.2	79.9	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 9000	69.7	78.4	80.0	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 8000	70.5	79.1	80.8	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 7000	71.4	80.0	81.7	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	71.8	80.4	82.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000	72.1	80.8	82.4	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	72.8	81.4	83.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	73.0	81.8	83.5	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500	73.2	81.9	83.6	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	74.2	83.0	84.6	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	76.0	85.1	87.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	77.2	87.0	89.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	78.0	88.2	90.3	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	78.5	88.8	91.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	78.6	89.2	91.3	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000	78.8	89.9	92.1	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900	79.1	90.3	92.5	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	79.4	91.0	93.1	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	79.4	91.3	93.5	95.5	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	79.4	91.3	93.5	95.5	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	79.4	91.3	93.5	95.7	97.3	97.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	79.4	91.3	93.5	95.9	97.7	98.0	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	79.4	91.3	93.5	95.9	97.7	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	79.4	91.3	93.5	95.9	97.7	98.1	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	79.4	91.3	93.6	96.1	97.8	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	79.4	91.3	93.6	96.1	97.8	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

756

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

7-70, 73-74
YEAR

1966
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	55.6	67.7	63.1	63.5	64.0	64.0	64.3	64.4	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.9
≥ 20000	59.7	66.9	67.7	68.4	69.1	69.0	69.4	69.4	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.9
≥ 18000	59.8	67.1	68.0	68.6	69.3	69.3	69.5	69.7	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.2
≥ 16000	60.1	67.3	68.2	68.9	69.7	69.7	69.9	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.6
≥ 14000	61.5	69.1	70.2	70.9	71.7	71.7	72.0	72.2	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.7
≥ 12000	63.3	71.4	72.5	73.1	74.0	74.0	74.3	74.5	74.5	74.8	74.9	74.9	74.9	74.9	74.9	75.0
≥ 10000	63.9	72.6	73.6	74.3	75.3	75.3	75.5	75.8	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.3
≥ 9000	64.0	72.7	73.8	74.4	75.4	75.4	75.7	75.9	75.9	76.2	76.3	76.3	76.3	76.3	76.3	76.4
≥ 8000	64.9	73.6	74.6	75.3	76.3	76.3	76.6	76.8	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.3
≥ 7000	65.3	74.0	75.0	75.7	76.7	76.7	77.0	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.7
≥ 6000	66.2	75.3	76.3	77.0	78.0	78.0	78.2	78.5	78.5	78.7	78.9	78.9	78.9	78.9	78.9	79.0
≥ 5000	66.5	75.7	76.7	77.3	78.4	78.4	78.6	78.9	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.4
≥ 4500	67.2	76.4	77.3	78.1	79.1	79.1	79.4	79.6	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.2
≥ 4000	67.3	76.8	77.8	78.5	79.5	79.5	79.8	80.0	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.5
≥ 3500	68.0	77.7	78.7	79.4	80.4	80.4	80.7	80.9	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.4
≥ 3000	68.4	78.4	79.4	80.0	81.0	81.0	81.3	81.6	81.6	81.8	81.9	81.9	81.9	81.9	81.9	82.1
≥ 2500	69.4	79.8	80.9	81.6	82.7	82.7	83.0	83.2	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.7
≥ 2000	69.9	80.9	82.1	82.7	83.9	83.9	84.1	84.4	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.9
≥ 1800	70.0	81.3	82.6	83.2	84.4	84.4	84.6	84.9	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.4
≥ 1500	70.3	82.2	83.5	84.1	85.4	85.4	85.7	85.9	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.4
≥ 1200	70.9	83.1	84.4	85.0	86.4	86.4	86.7	86.9	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.5
≥ 1000	71.2	83.9	85.3	86.2	88.0	88.0	88.3	88.6	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.1
≥ 900	71.2	84.0	85.4	86.4	88.2	88.2	88.6	88.9	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.4
≥ 800	71.2	84.8	86.2	87.2	89.1	89.1	89.5	90.0	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.5
≥ 700	71.3	85.1	86.6	87.6	89.5	89.5	89.9	90.5	90.5	90.8	90.9	90.9	90.9	90.9	90.9	91.0
≥ 600	71.3	85.3	86.8	88.1	90.3	90.4	90.8	91.4	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.9
≥ 500	71.3	85.4	86.9	88.5	91.0	91.2	91.5	92.3	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.8
≥ 400	71.3	85.7	87.2	89.1	91.7	91.9	92.0	93.9	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.5
≥ 300	71.3	85.9	87.5	89.6	92.3	92.6	92.6	94.8	94.8	95.4	95.8	95.8	96.0	96.0	96.0	96.3
≥ 200	71.3	85.9	87.5	89.6	92.4	92.7	92.7	95.4	95.4	96.4	96.8	96.8	97.6	97.6	98.5	99.3
≥ 100	71.3	85.9	87.5	89.6	92.4	92.7	92.7	95.4	95.4	96.4	96.8	96.8	97.6	97.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.7	57.8	58.0	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.3	59.6	59.6	59.8	59.8	60.2
≥ 20000	46.5	59.8	60.0	60.6	61.1	61.1	61.1	61.1	61.1	61.3	61.7	61.7	61.9	61.9	62.2	62.6
≥ 18000	46.9	60.2	60.4	60.9	61.5	61.5	61.5	61.5	61.5	61.7	62.0	62.0	62.2	62.2	62.6	63.1
≥ 16000	47.2	60.7	60.9	61.5	62.0	62.0	62.0	62.0	62.0	62.2	62.6	62.6	62.8	62.8	63.1	63.9
≥ 14000	48.0	61.9	62.0	62.6	63.1	63.1	63.1	63.1	63.1	63.3	63.7	63.7	63.9	63.9	64.3	65.0
≥ 12000	48.5	62.5	64.1	64.6	65.2	65.2	65.2	65.2	65.2	65.4	65.7	65.7	65.9	65.9	66.3	67.2
≥ 10000	49.1	64.6	65.2	65.7	66.3	66.3	66.3	66.3	66.3	66.5	66.9	66.9	67.0	67.0	67.4	68.1
≥ 9000	49.1	64.6	65.2	65.7	66.3	66.3	66.3	66.3	66.3	66.5	66.9	66.9	67.0	67.0	67.4	68.1
≥ 8000	49.8	65.4	65.9	66.5	67.0	67.0	67.0	67.0	67.0	67.2	67.6	67.6	67.8	67.8	68.1	68.9
≥ 7000	50.0	65.6	66.1	66.7	67.2	67.2	67.2	67.2	67.2	67.4	67.8	67.8	68.0	68.0	68.3	69.1
≥ 6000	52.0	68.7	69.3	69.8	70.4	70.4	70.4	70.4	70.4	70.6	70.9	70.9	71.1	71.1	71.5	72.2
≥ 5000	53.0	70.4	70.9	71.5	72.0	72.0	72.0	72.0	72.0	72.2	72.6	72.6	72.8	72.8	73.1	73.9
≥ 4500	53.5	70.9	71.5	72.0	72.6	72.6	72.6	72.6	72.6	72.8	73.1	73.1	73.3	73.3	73.7	74.4
≥ 4000	54.3	71.9	72.4	73.0	73.5	73.5	73.5	73.5	73.5	73.7	74.1	74.1	74.3	74.3	74.6	75.4
≥ 3500	54.4	72.0	72.6	73.1	73.7	73.7	73.7	73.7	73.7	73.9	74.3	74.3	74.4	74.4	74.8	75.6
≥ 3000	55.2	72.3	73.9	74.4	75.0	75.0	75.0	75.0	75.0	75.2	75.6	75.6	75.7	75.7	76.1	76.9
≥ 2500	55.2	74.4	75.0	75.6	76.1	76.1	76.1	76.1	76.1	76.3	76.7	76.7	76.9	76.9	77.2	78.0
≥ 2000	55.4	74.8	75.4	75.9	76.5	76.5	76.5	76.5	76.5	76.7	77.0	77.0	77.2	77.2	77.6	78.3
≥ 1800	55.6	75.6	76.1	76.7	77.2	77.2	77.2	77.2	77.2	77.4	77.8	77.8	78.0	78.0	78.3	79.1
≥ 1500	55.7	76.7	77.2	78.0	78.5	78.5	78.5	78.5	78.5	78.7	79.1	79.1	79.3	79.3	79.6	80.4
≥ 1200	55.9	78.1	78.9	79.6	80.2	80.2	80.2	80.2	80.2	80.4	80.7	80.7	80.9	80.9	81.3	82.0
≥ 1000	55.9	78.3	79.1	79.8	80.4	80.4	80.4	80.4	80.4	80.6	80.9	80.9	81.1	81.1	81.5	82.2
≥ 900	55.9	78.7	79.4	80.4	80.9	80.9	80.9	80.9	80.9	81.1	81.5	81.5	81.7	81.7	82.0	82.8
≥ 800	55.9	79.4	80.7	81.7	82.4	82.4	82.4	82.4	82.4	82.6	83.0	83.0	83.1	83.1	83.5	84.3
≥ 700	55.9	79.4	80.9	81.9	82.6	82.8	82.8	82.8	82.8	83.0	83.3	83.3	83.5	83.5	83.9	84.6
≥ 600	56.3	80.0	81.5	82.4	83.1	83.5	83.5	83.5	83.5	83.7	84.1	84.1	84.3	84.3	84.6	85.4
≥ 500	56.3	80.7	82.2	83.9	85.0	85.4	85.4	85.4	85.4	85.6	85.7	86.1	86.1	86.3	86.7	87.4
≥ 400	56.3	81.1	82.6	85.2	87.0	87.4	87.4	87.4	87.4	87.8	88.5	88.5	88.9	88.9	89.1	89.4
≥ 300	56.3	81.1	82.6	85.4	87.4	87.8	88.0	88.5	88.5	88.5	89.3	89.6	89.6	89.8	89.8	90.4
≥ 200	56.3	81.1	82.8	85.6	88.0	88.7	89.1	90.4	90.6	91.3	91.9	91.9	92.2	92.2	92.9	93.9
≥ 100	56.3	81.1	82.8	85.6	88.0	88.7	89.3	90.6	90.9	92.0	92.6	92.6	93.0	93.0	94.8	100.0
≥ 0	56.3	81.1	82.8	85.6	88.0	88.7	89.3	90.6	90.9	92.0	92.6	92.6	93.0	93.0	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS

540

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-74

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	46.1	57.4	57.8	58.0	58.4	58.6	58.7	59.1	59.3	59.5	59.7	60.0	60.0	60.2	61.2	62.6
≥ 20000	47.0	59.1	59.5	59.7	60.0	60.2	60.4	60.8	61.0	61.2	61.4	61.7	61.7	61.9	62.8	64.4
≥ 18000	47.8	59.9	60.2	60.4	60.8	61.0	61.2	61.5	61.7	61.9	62.1	62.5	62.5	62.6	63.6	65.1
≥ 16000	48.1	61.0	61.3	61.5	61.9	62.1	62.3	62.6	62.8	63.0	63.2	63.6	63.6	63.8	64.7	66.2
≥ 14000	48.1	61.0	61.3	61.5	61.9	62.1	62.3	62.6	62.8	63.0	63.2	63.6	63.6	63.8	64.7	66.2
≥ 12000	48.5	61.5	61.9	62.1	62.5	62.6	62.8	63.2	63.4	63.6	63.8	64.1	64.1	64.3	65.2	66.7
≥ 10000	49.1	62.8	63.2	63.4	63.8	63.9	64.1	64.5	64.7	64.9	65.1	65.4	65.4	65.6	66.5	68.2
≥ 9000	49.8	63.6	63.9	64.1	64.5	64.7	64.9	65.2	65.4	65.6	65.8	66.2	66.2	66.4	67.3	69.0
≥ 8000	50.2	64.3	64.7	64.9	65.2	65.4	65.6	66.0	66.2	66.4	66.5	66.9	66.9	67.1	68.0	69.7
≥ 7000	50.6	64.7	65.1	65.2	65.6	65.8	66.0	66.4	66.5	66.7	66.9	67.3	67.3	67.5	68.4	70.1
≥ 6000	51.1	65.4	65.8	66.0	66.4	66.5	66.7	67.1	67.3	67.5	67.7	68.0	68.0	68.2	69.1	70.8
≥ 5000	51.3	65.6	66.0	66.2	66.5	66.7	66.9	67.3	67.5	67.7	67.8	68.2	68.2	68.4	69.3	71.0
≥ 4500	51.7	66.0	66.4	66.7	67.1	67.3	67.5	67.8	68.0	68.2	68.4	68.8	68.8	69.0	69.9	71.6
≥ 4000	52.8	67.1	67.5	67.8	68.2	68.4	68.6	69.0	69.1	69.3	69.5	69.9	69.9	70.1	71.0	72.7
≥ 3500	53.2	68.0	68.4	68.8	69.1	69.3	69.5	69.9	70.1	70.3	70.4	70.8	70.8	71.0	71.9	73.6
≥ 3000	54.1	70.4	70.8	71.2	71.6	71.7	71.9	72.3	72.5	72.7	72.9	73.2	73.2	73.4	74.3	76.0
≥ 2500	54.5	71.7	72.1	72.7	73.0	73.2	73.4	73.8	74.0	74.2	74.3	74.7	74.7	74.9	75.8	77.5
≥ 2000	55.2	73.8	74.2	75.3	75.8	76.0	76.2	76.6	76.8	77.0	77.1	77.5	77.5	77.7	78.6	80.3
≥ 1800	55.4	74.0	74.5	75.5	76.0	76.2	76.4	76.8	77.0	77.1	77.3	77.7	77.7	77.9	78.8	80.5
≥ 1500	55.4	75.1	75.7	76.6	77.1	77.3	77.5	77.9	78.1	78.3	78.4	78.8	78.8	79.0	79.9	81.6
≥ 1200	55.9	76.6	77.1	78.1	78.6	79.0	79.2	79.6	79.7	79.9	80.1	80.5	80.5	80.7	81.6	83.3
≥ 1000	56.1	77.5	78.1	79.0	79.6	80.1	80.3	80.7	80.9	81.0	81.2	81.6	81.6	81.8	82.7	84.4
≥ 900	56.1	78.3	78.8	79.7	80.3	80.9	81.0	81.4	81.6	81.8	82.0	82.3	82.3	82.5	83.5	85.1
≥ 800	56.1	78.4	79.2	80.1	80.7	81.2	81.4	81.8	82.0	82.2	82.3	82.7	82.7	83.1	84.0	85.7
≥ 700	56.1	78.6	79.4	80.3	81.0	81.8	82.0	82.3	82.5	82.7	82.9	83.3	83.3	83.6	84.6	86.2
≥ 600	56.1	78.8	79.6	80.7	81.6	82.7	82.9	83.3	83.5	83.6	83.8	84.2	84.2	84.6	85.5	87.2
≥ 500	56.1	79.7	80.5	82.0	83.1	84.4	84.6	84.9	85.1	85.3	85.5	85.9	85.9	86.2	87.2	88.8
≥ 400	56.3	80.1	80.9	82.7	84.2	85.5	85.7	86.2	86.4	86.8	87.0	87.4	87.4	87.7	88.7	90.3
≥ 300	56.3	80.1	80.9	82.7	84.4	85.7	85.9	86.6	86.8	87.2	87.5	87.9	88.1	88.5	89.4	91.6
≥ 200	56.3	80.1	80.9	83.1	84.9	86.2	86.4	87.4	87.5	87.9	88.3	88.7	88.8	89.2	90.5	94.6
≥ 100	56.3	80.1	80.9	83.1	84.9	86.4	86.6	87.5	87.7	88.1	88.5	88.8	89.0	89.8	91.1	99.3
≥ 0	56.3	80.1	80.9	83.1	84.9	86.4	86.6	87.5	87.7	88.1	88.5	88.8	89.0	89.8	91.1	100.0

TOTAL NUMBER OF OBSERVATIONS

538

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	53.9	61.8	62.5	63.2	63.6	63.7	64.0	64.1	64.2	64.4	64.5	64.7	64.7	64.9	65.4	66.2
≥ 20000	56.9	65.5	66.2	66.9	67.4	67.5	67.8	67.9	68.0	68.2	68.3	68.4	68.5	68.7	69.1	70.0
≥ 18000	57.4	65.9	66.7	67.4	67.9	68.0	68.3	68.4	68.5	68.7	68.8	68.9	69.0	69.1	69.6	70.4
≥ 16000	57.6	66.4	67.2	67.9	68.4	68.5	68.8	69.0	69.0	69.2	69.4	69.5	69.6	69.7	70.2	71.0
≥ 14000	58.5	67.5	68.3	69.0	69.6	69.6	69.9	70.1	70.2	70.4	70.5	70.6	70.7	70.9	71.4	72.2
≥ 12000	59.4	68.7	69.6	70.3	70.9	71.0	71.2	71.4	71.5	71.7	71.8	71.9	72.1	72.2	72.7	73.5
≥ 10000	60.0	69.7	70.6	71.4	71.9	72.0	72.3	72.5	72.6	72.8	72.9	73.0	73.1	73.3	73.8	74.6
≥ 9000	60.3	70.0	70.9	71.6	72.2	72.3	72.6	72.8	72.8	73.0	73.2	73.3	73.4	73.5	74.0	74.9
≥ 8000	60.9	70.7	71.6	72.4	72.9	73.0	73.3	73.5	73.5	73.7	73.9	74.0	74.1	74.2	74.8	75.6
≥ 7000	61.3	71.1	72.0	72.8	73.3	73.4	73.7	73.9	74.0	74.2	74.3	74.4	74.5	74.7	75.2	76.0
≥ 6000	62.0	72.0	72.9	73.7	74.2	74.3	74.6	74.8	74.9	75.0	75.2	75.3	75.4	75.6	76.1	76.9
≥ 5000	62.4	72.5	73.5	74.2	74.8	74.8	75.1	75.3	75.4	75.6	75.7	75.9	76.0	76.1	76.6	77.4
≥ 4500	62.9	73.0	74.0	74.7	75.3	75.4	75.7	75.9	75.9	76.1	76.3	76.4	76.5	76.6	77.1	78.0
≥ 4000	63.4	73.6	74.6	75.4	75.9	76.0	76.3	76.5	76.6	76.8	76.9	77.0	77.1	77.3	77.8	78.6
≥ 3500	63.7	74.2	75.2	75.9	76.5	76.6	76.9	77.1	77.1	77.3	77.5	77.6	77.7	77.8	78.3	79.2
≥ 3000	64.4	75.3	76.3	77.1	77.6	77.7	78.0	78.2	78.3	78.4	78.6	78.7	78.8	79.0	79.5	80.3
≥ 2500	65.3	76.9	78.0	78.8	79.4	79.5	79.8	80.0	80.1	80.3	80.4	80.5	80.6	80.8	81.3	82.1
≥ 2000	66.0	78.5	79.7	80.7	81.3	81.4	81.7	81.9	82.0	82.2	82.3	82.5	82.6	82.7	83.2	84.1
≥ 1800	66.4	79.5	80.7	81.6	82.3	82.4	82.7	82.9	83.0	83.2	83.3	83.5	83.6	83.7	84.2	85.1
≥ 1500	66.9	80.8	82.0	83.0	83.8	83.9	84.2	84.3	84.4	84.6	84.7	84.9	85.0	85.1	85.6	86.5
≥ 1200	67.2	81.9	83.2	84.3	85.1	85.2	85.6	85.8	85.8	86.0	86.2	86.3	86.4	86.5	87.0	87.9
≥ 1000	67.3	82.5	83.9	85.1	86.0	86.2	86.5	86.8	86.8	87.0	87.2	87.3	87.4	87.5	88.0	88.9
≥ 900	67.5	82.9	84.3	85.6	86.6	86.8	87.2	87.4	87.4	87.6	87.8	87.9	88.0	88.1	88.6	89.5
≥ 800	67.5	83.3	84.8	86.2	87.3	87.5	88.0	88.2	88.3	88.5	88.6	88.8	88.9	89.0	89.5	90.4
≥ 700	67.6	83.6	85.2	86.6	87.8	88.1	88.6	88.9	89.0	89.2	89.3	89.4	89.5	89.7	90.2	91.1
≥ 600	67.6	83.7	85.4	86.8	88.1	88.5	89.0	89.4	89.4	89.6	89.8	89.9	90.0	90.2	90.7	91.5
≥ 500	67.7	84.0	85.7	87.4	89.0	89.4	90.0	90.4	90.5	90.7	90.8	90.9	91.0	91.2	91.7	92.6
≥ 400	67.7	84.2	85.9	87.9	89.7	90.3	91.0	91.6	91.6	92.0	92.1	92.2	92.3	92.5	93.0	93.9
≥ 300	67.7	84.3	86.0	88.1	89.9	90.6	91.4	92.2	92.4	92.8	93.0	93.2	93.4	93.5	94.1	95.2
≥ 200	67.7	84.3	86.0	88.1	90.1	90.8	91.7	92.8	93.0	93.5	93.8	94.0	94.3	94.4	95.5	97.5
≥ 100	67.7	84.3	86.0	88.2	90.1	90.8	91.8	92.9	93.1	93.7	94.0	94.2	94.5	94.8	95.9	99.8
≥ 0	67.7	84.3	86.0	88.2	90.1	90.8	91.8	92.9	93.1	93.7	94.0	94.2	94.5	94.8	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS

4713

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70-77

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO. CEILING	53.2	66.4	66.4	66.4	68.3	68.8	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	70.1
≥ 20000	54.4	68.7	68.0	68.5	69.5	70.4	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.7
≥ 18000	54.9	69.1	69.1	69.6	70.9	71.5	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.3	72.8
≥ 16000	55.5	69.6	69.6	70.1	71.5	72.0	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.8	73.3
≥ 14000	56.3	70.7	70.7	71.2	72.5	73.1	73.3	73.3	73.6	73.9	73.9	73.9	73.9	73.9	74.1	74.7
≥ 12000	57.3	71.7	71.7	72.3	73.6	74.1	74.4	74.4	74.7	74.9	74.9	74.9	74.9	74.9	75.2	75.7
≥ 10000	57.3	72.5	72.5	73.1	74.4	74.9	75.2	75.2	75.5	75.7	75.7	75.7	75.7	75.7	76.0	76.5
≥ 9000	57.6	72.8	72.8	73.3	74.7	75.2	75.5	75.5	75.7	76.0	76.0	76.0	76.0	76.0	76.3	76.8
≥ 8000	57.9	73.1	73.1	73.6	74.9	75.5	75.7	75.7	76.0	76.3	76.3	76.3	76.3	76.3	76.5	77.1
≥ 7000	58.4	73.6	73.6	74.1	75.5	76.0	76.3	76.3	76.5	76.8	76.8	76.8	76.8	76.8	77.1	77.6
≥ 6000	58.4	74.4	74.4	74.9	76.3	76.8	77.1	77.1	77.3	77.6	77.6	77.6	77.6	77.6	77.9	78.4
≥ 5000	58.7	75.2	75.2	75.7	77.1	77.6	77.9	77.9	78.1	78.4	78.4	78.4	78.4	78.4	78.7	79.2
≥ 4500	58.7	75.5	75.5	76.0	77.3	77.9	78.1	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.9	79.5
≥ 4000	59.2	76.3	76.3	76.8	78.1	78.7	78.9	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.7	80.2
≥ 3500	59.7	76.8	76.8	77.3	78.7	79.2	79.5	79.5	79.7	80.0	80.0	80.0	80.0	80.0	80.3	80.8
≥ 3000	60.8	79.5	79.5	80.0	81.3	81.9	82.1	82.1	82.4	82.7	82.7	82.7	82.7	82.7	82.9	83.5
≥ 2500	61.9	81.6	81.6	82.1	83.5	84.0	84.3	84.3	84.5	84.8	84.8	84.8	84.8	84.8	85.1	85.6
≥ 2000	61.9	83.7	84.0	84.8	86.1	86.7	86.9	86.9	87.2	87.5	87.5	87.5	87.5	87.5	87.7	88.3
≥ 1800	62.1	84.5	84.8	85.6	86.9	87.5	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.5	89.1
≥ 1500	62.1	85.6	85.9	86.7	88.0	88.5	88.8	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.6	90.1
≥ 1200	62.4	87.5	87.7	88.5	89.9	90.4	90.7	90.7	90.9	91.2	91.2	91.2	91.2	91.2	91.5	92.0
≥ 1000	62.7	88.3	88.8	89.6	90.9	91.5	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.5	93.1
≥ 900	62.7	88.3	88.8	89.6	90.9	91.5	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.5	93.1
≥ 800	62.7	88.3	88.8	90.4	91.7	92.3	92.5	92.5	92.8	93.1	93.1	93.1	93.1	93.1	93.3	93.9
≥ 700	62.7	88.3	88.8	90.4	91.7	92.3	92.5	92.5	92.8	93.1	93.1	93.1	93.1	93.1	93.3	93.9
≥ 600	62.7	88.3	89.1	90.9	92.5	93.1	93.3	93.3	93.6	93.9	93.9	93.9	93.9	93.9	94.4	94.9
≥ 500	62.7	88.5	89.3	91.2	92.8	93.3	93.6	93.6	93.9	94.4	94.4	94.4	94.4	94.7	95.2	96.0
≥ 400	62.7	88.5	89.3	91.5	93.3	93.9	94.1	94.1	94.7	95.2	95.2	95.2	95.2	95.5	96.0	96.8
≥ 300	62.7	88.8	89.6	92.0	93.9	94.7	94.9	94.9	95.5	96.0	96.0	96.0	96.0	96.3	96.8	97.9
≥ 200	62.7	88.8	89.6	92.0	94.1	94.9	95.2	95.5	96.0	96.5	96.5	96.5	96.5	96.8	97.0	99.2
≥ 100	62.7	88.8	89.6	92.0	94.1	94.9	95.2	95.5	96.0	96.8	96.8	96.8	96.8	97.1	97.1	99.7
≥ 0	62.7	88.8	89.6	92.0	94.1	94.9	95.2	95.5	96.0	96.8	96.8	96.8	96.8	97.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS

375

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

07-70,77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	50.9	65.9	66.4	66.7	66.9	66.9	66.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3	69.1
≥ 20000	51.7	67.2	67.7	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	69.1
≥ 18000	52.3	67.7	68.3	68.5	68.8	68.8	68.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.9
≥ 16000	53.1	68.5	69.1	69.3	69.6	69.6	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	71.7
≥ 14000	53.6	69.1	69.6	69.9	70.1	70.1	70.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	72.3
≥ 12000	54.4	69.9	70.4	70.7	70.9	70.9	70.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	73.1
≥ 10000	55.5	71.2	71.7	72.0	72.3	72.3	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.6	74.4
≥ 9000	55.5	71.2	71.7	72.0	72.3	72.3	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.6	74.4
≥ 8000	56.0	72.5	73.1	73.3	73.6	73.6	73.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	75.7
≥ 7000	56.0	72.8	73.6	73.9	74.1	74.1	74.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	76.3
≥ 6000	56.0	72.8	73.6	73.9	74.1	74.1	74.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	76.3
≥ 5000	56.0	74.1	74.9	75.2	75.5	75.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.8	77.6
≥ 4500	56.0	74.9	75.7	76.0	76.3	76.3	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6	78.4
≥ 4000	56.0	76.0	76.8	77.1	77.3	77.3	77.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	79.5
≥ 3500	56.5	76.8	77.6	77.9	78.1	78.1	78.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5	80.3
≥ 3000	58.4	81.3	82.1	82.4	82.7	82.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.8
≥ 2500	58.7	82.9	83.7	84.0	84.3	84.3	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.6	86.4
≥ 2000	58.7	84.8	85.6	85.9	86.1	86.1	86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.5	88.3
≥ 1800	58.9	85.3	86.1	86.7	86.9	86.9	86.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.3	89.1
≥ 1500	59.5	86.9	88.0	88.8	89.1	89.1	89.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4	91.2
≥ 1200	59.5	87.5	88.5	89.6	89.9	89.9	89.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.2	92.0
≥ 1000	60.5	89.3	90.4	92.0	92.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9	94.7
≥ 900	60.8	89.9	90.9	92.5	92.8	92.8	92.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.4	95.2
≥ 800	60.8	89.9	90.9	92.5	92.8	92.8	92.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.4	95.2
≥ 700	60.8	89.9	90.9	92.5	92.8	92.8	92.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.4	95.2
≥ 600	60.8	89.9	91.2	92.8	93.1	93.1	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.7	95.5
≥ 500	60.8	89.9	91.2	92.8	93.1	93.1	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.7	95.5
≥ 400	60.8	90.1	91.7	93.3	94.1	94.1	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.8
≥ 300	60.8	90.1	91.7	93.3	94.4	94.4	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	97.1
≥ 200	60.8	90.1	91.7	93.3	94.4	94.4	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	97.4
≥ 100	60.8	90.1	91.7	93.3	94.4	94.4	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	97.4
≥ 0	60.8	90.1	91.7	93.3	94.4	94.4	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	97.4

TOTAL NUMBER OF OBSERVATIONS

375

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	60.1	66.6	66.6	67.3	67.5	67.6	67.8	68.0	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.8
≥ 20000	62.7	69.5	69.9	70.7	70.9	71.2	71.4	71.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	72.4
≥ 18000	62.8	70.0	70.4	71.2	71.4	71.7	71.9	72.1	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.9
≥ 16000	63.4	70.5	71.1	71.9	72.1	72.4	72.6	72.8	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.6
≥ 14000	63.5	70.7	71.2	72.1	72.3	72.6	72.8	72.9	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.8
≥ 12000	65.2	72.4	72.9	74.0	74.1	74.5	74.7	74.8	74.8	75.0	75.2	75.2	75.2	75.2	75.2	75.7
≥ 10000	65.9	73.1	73.6	74.7	74.8	75.2	75.3	75.5	75.5	75.7	75.9	75.9	75.9	75.9	75.9	76.4
≥ 9000	65.9	73.1	73.6	74.7	74.8	75.2	75.3	75.5	75.5	75.7	75.9	75.9	75.9	75.9	75.9	76.4
≥ 8000	66.3	73.5	74.0	75.0	75.2	75.5	75.7	75.9	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.7
≥ 7000	67.3	74.5	75.0	76.0	76.2	76.5	76.7	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.7
≥ 6000	67.6	75.3	76.0	77.1	77.2	77.6	77.7	77.9	77.9	78.1	78.3	78.3	78.3	78.3	78.3	78.8
≥ 5000	68.2	76.2	76.9	77.9	78.1	78.4	78.6	78.8	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.6
≥ 4500	68.5	77.1	77.7	78.8	78.9	79.3	79.5	79.6	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.5
≥ 4000	68.8	77.6	78.3	79.3	79.5	79.8	80.0	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	81.0
≥ 3500	69.5	78.3	78.9	80.0	80.1	80.5	80.7	80.8	80.8	81.0	81.2	81.2	81.2	81.2	81.2	81.7
≥ 3000	71.6	81.3	82.0	83.0	83.2	83.6	83.7	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.8
≥ 2500	73.5	83.9	84.6	85.8	86.0	86.3	86.5	86.6	86.6	86.8	87.0	87.0	87.0	87.0	87.0	87.5
≥ 2000	73.6	84.9	85.6	87.0	87.3	87.7	87.8	88.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	89.0
≥ 1800	73.6	84.9	85.6	87.2	87.5	87.8	88.0	88.4	88.4	88.5	88.7	88.7	88.7	88.7	88.7	89.2
≥ 1500	74.0	86.5	87.2	88.7	89.2	89.7	89.9	90.2	90.2	90.4	90.6	90.6	90.6	90.6	90.6	91.1
≥ 1200	74.1	87.2	87.8	89.4	89.9	90.4	90.6	90.9	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.8
≥ 1000	74.5	87.8	88.5	90.4	91.1	91.6	91.8	92.1	92.1	92.3	92.5	92.5	92.5	92.5	92.5	93.0
≥ 900	74.5	87.8	88.5	90.4	91.1	91.6	91.8	92.1	92.1	92.3	92.5	92.5	92.5	92.5	92.5	93.0
≥ 800	74.5	88.0	88.7	90.6	91.3	91.8	92.0	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6	93.2
≥ 700	74.5	88.2	88.9	90.8	91.6	92.1	92.3	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.5
≥ 600	74.5	88.7	89.4	91.4	92.5	93.0	93.3	93.7	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.5
≥ 500	74.7	89.2	89.9	92.0	93.8	94.3	94.7	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	96.1
≥ 400	74.7	89.4	90.1	92.1	94.0	94.5	95.2	95.9	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.9
≥ 300	74.7	89.4	90.2	92.5	94.5	95.0	95.7	96.6	96.6	96.9	97.1	97.3	97.3	97.3	97.3	97.8
≥ 200	74.7	89.4	90.2	92.6	94.7	95.2	95.9	96.7	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.8
≥ 100	74.7	89.4	90.2	92.6	94.7	95.2	95.9	96.7	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.8
≥ 0	74.7	89.4	90.2	92.6	94.7	95.2	95.9	96.7	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.8

TOTAL NUMBER OF OBSERVATIONS

584

USAF ETAC

D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-78

DEC

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	67.7	70.8	71.2	71.5	71.8	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 20000	71.0	74.9	75.3	75.5	75.9	75.9	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 18000	71.2	75.4	75.8	76.0	76.4	76.4	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 16000	71.5	75.8	76.1	76.4	76.8	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000	71.7	76.1	76.5	76.8	77.1	77.1	77.2	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 12000	72.4	76.9	77.2	77.5	77.9	77.9	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 10000	72.8	77.5	77.9	78.1	78.5	78.5	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	72.8	77.5	77.9	78.1	78.5	78.5	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 8000	72.9	77.6	78.0	78.2	78.6	78.6	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	73.3	78.0	78.4	78.6	79.0	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	73.9	78.8	79.2	79.5	79.8	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 5000	74.5	79.5	79.8	80.1	80.4	80.4	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	74.9	80.1	80.6	80.8	81.3	81.3	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	75.2	80.4	80.9	81.2	81.7	81.7	81.8	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	75.6	81.2	81.7	81.9	82.4	82.4	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000	77.9	83.8	84.3	84.9	85.4	85.4	85.5	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	79.1	86.1	86.7	87.6	88.1	88.1	88.2	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	80.7	88.1	88.7	89.7	90.2	90.2	90.3	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	80.8	88.3	89.1	90.0	90.7	90.7	90.8	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	81.1	89.8	90.5	91.6	92.4	92.4	92.5	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	81.3	90.3	91.1	92.5	93.2	93.2	93.4	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	81.4	90.7	91.5	93.1	94.1	94.1	94.2	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	81.4	90.7	91.5	93.1	94.1	94.1	94.2	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	81.4	90.8	91.6	93.2	94.2	94.2	94.3	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2
≥ 700	81.4	90.9	91.8	93.4	94.6	94.6	94.7	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6
≥ 600	81.5	91.4	92.3	93.8	95.1	95.1	95.2	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.1
≥ 500	81.5	91.8	92.9	94.6	95.9	96.1	96.2	96.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.4
≥ 400	81.5	91.8	92.9	94.8	96.3	96.4	96.6	97.3	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.9
≥ 300	81.7	91.9	93.0	95.0	96.8	96.9	97.0	97.9	97.9	98.4	98.6	98.9	98.9	98.9	98.9	99.1
≥ 200	81.7	91.9	93.0	95.0	96.8	96.9	97.0	97.9	97.9	98.4	98.6	99.0	99.0	99.0	99.3	99.6
≥ 100	81.7	91.9	93.0	95.0	96.8	96.9	97.0	97.9	97.9	98.4	98.6	99.0	99.0	99.0	99.5	100.0
≥ 0	81.7	91.9	93.0	95.0	96.8	96.9	97.0	97.9	97.9	98.4	98.6	99.0	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

R13

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70073-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	67.1	71.3	71.5	71.6	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 20000	70.1	75.7	75.9	76.2	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 18000	70.1	75.9	76.2	76.4	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 16000	71.3	77.0	77.3	77.5	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 14000	72.1	78.0	78.3	78.5	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 12000	73.5	79.5	79.7	80.1	80.0	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 10000	74.0	80.0	80.3	80.7	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	74.6	80.6	81.0	81.3	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 8000	74.8	81.0	81.3	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 7000	74.9	81.1	81.4	81.8	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	75.8	81.9	82.3	82.7	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	76.9	83.3	83.7	84.0	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	77.5	84.3	84.6	85.0	85.0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	78.0	85.0	85.4	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	78.0	85.0	85.4	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000	78.9	86.1	86.5	86.9	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	79.7	87.6	88.3	88.8	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	81.4	90.3	91.0	91.6	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	81.6	90.9	91.6	92.4	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	81.7	91.9	92.8	93.6	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	81.9	93.1	94.0	95.2	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	82.2	93.5	94.5	95.8	96.7	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	82.2	93.7	94.7	96.1	96.9	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	82.2	93.7	94.7	96.1	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	82.2	93.7	94.7	96.1	97.2	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	82.2	93.9	94.8	96.2	97.3	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	82.2	93.9	94.8	96.3	97.4	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	82.2	93.9	95.0	96.4	97.5	97.9	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6
≥ 300	82.2	93.9	95.0	96.4	97.5	97.9	98.2	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.9	98.9
≥ 200	82.2	93.9	95.0	96.4	97.7	98.0	98.3	98.5	98.5	98.6	99.0	99.0	99.0	99.0	99.3	99.3
≥ 100	82.2	93.9	95.0	96.4	97.7	98.0	98.3	98.6	98.6	98.8	99.1	99.1	99.1	99.4	99.8	100.0
≥ 0	82.2	93.9	95.0	96.4	97.7	98.0	98.3	98.6	98.6	98.8	99.1	99.1	99.1	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

814

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	61.1	65.8	66.1	66.5	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 20000	65.2	71.1	71.3	71.9	72.5	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	65.2	71.4	71.7	72.3	72.9	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 16000	65.8	72.3	72.5	73.2	73.8	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	67.0	73.5	73.8	74.4	75.0	75.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 12000	68.0	74.5	74.8	75.4	76.0	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 10000	69.2	76.0	76.4	77.1	77.8	77.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 9000	69.2	76.0	76.4	77.1	77.8	77.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 8000	69.4	76.4	76.8	77.5	78.1	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	69.4	76.4	76.8	77.5	78.1	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 6000	70.1	77.0	77.4	78.1	78.8	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 5000	70.3	77.3	77.6	78.4	79.0	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	71.4	78.5	78.9	79.6	80.2	80.4	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	71.9	79.3	79.6	80.4	81.0	81.1	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	72.7	80.1	80.5	81.2	81.9	82.0	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	73.3	81.0	81.4	82.1	82.7	82.9	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	74.2	82.7	83.4	84.1	84.8	85.0	85.7	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	74.7	83.9	84.6	85.5	86.2	86.3	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	75.3	84.8	85.6	86.5	87.3	87.5	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	75.3	85.6	86.5	87.6	88.4	88.6	89.4	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	75.8	87.2	88.2	89.7	90.6	90.7	91.6	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	75.9	87.7	88.9	90.6	91.4	91.6	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	76.3	88.1	89.4	91.1	91.9	92.0	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 800	76.3	88.2	89.6	91.4	92.3	92.4	93.4	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	76.4	88.3	89.9	91.8	92.9	93.0	94.0	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	76.5	88.6	90.2	92.0	93.3	93.4	94.4	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	76.5	88.7	90.3	92.2	93.4	93.5	94.5	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	76.6	89.6	91.2	93.0	94.7	94.8	95.8	96.4	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300	76.6	89.8	91.6	93.4	95.0	95.2	96.3	97.0	97.0	97.5	97.8	97.9	97.9	97.9	97.9	97.9
≥ 200	76.6	89.9	91.7	93.7	95.4	95.5	96.6	97.4	97.4	97.9	98.1	98.4	98.4	98.4	98.9	99.4
≥ 100	76.6	89.9	91.7	93.7	95.4	95.5	96.6	97.4	97.4	97.9	98.1	98.4	98.4	98.5	99.0	100.0
≥ 50	76.6	89.9	91.7	93.7	95.4	95.5	96.6	97.4	97.4	97.9	98.1	98.4	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

805

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

67-70, 73-74, 77-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	51.4	68.8	69.0	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.5	69.7
≥ 20000	53.2	71.3	71.5	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.2
≥ 18000	53.5	72.0	72.2	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.9
≥ 16000	54.3	72.7	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.4	73.6
≥ 14000	55.3	73.9	74.1	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.8
≥ 12000	56.0	75.0	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.9
≥ 10000	57.1	76.4	76.6	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.3
≥ 9000	57.1	76.4	76.6	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.3
≥ 8000	57.1	76.4	76.6	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.3
≥ 7000	57.4	77.1	77.3	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	78.0
≥ 6000	57.4	77.5	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2	78.4
≥ 5000	57.6	77.7	77.8	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.6
≥ 4500	58.2	79.1	79.3	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.0	80.2
≥ 4000	58.2	79.3	79.4	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.3
≥ 3500	58.9	80.9	81.0	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.9
≥ 3000	59.4	81.7	81.9	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.8
≥ 2500	60.5	83.9	84.0	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.9
≥ 2000	60.6	85.6	85.8	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	87.1
≥ 1800	60.6	85.6	85.8	86.3	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.2
≥ 1500	60.8	87.2	87.4	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.2
≥ 1200	61.2	88.1	88.3	89.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.6
≥ 1000	61.2	88.8	89.0	89.9	91.0	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.7
≥ 900	61.2	89.0	89.2	90.1	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.8
≥ 800	61.3	89.2	89.4	90.2	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	92.0
≥ 700	61.3	89.2	89.4	90.4	91.7	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.4
≥ 600	61.3	89.5	89.9	91.1	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.3
≥ 500	61.3	89.9	90.4	91.7	93.3	93.4	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.1
≥ 400	61.3	90.2	90.8	92.4	94.0	94.1	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.7	94.9
≥ 300	61.3	90.2	90.8	92.6	94.3	94.7	94.9	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.6	95.9
≥ 200	61.3	90.2	90.8	92.6	94.3	94.9	95.0	95.4	95.6	95.7	95.7	95.7	95.7	95.7	96.5	96.8
≥ 100	61.3	90.2	90.8	92.6	94.3	94.9	95.0	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.6	97.0
≥ 0	61.3	90.2	90.8	92.6	94.3	94.9	95.0	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.6	97.0

TOTAL NUMBER OF OBSERVATIONS

564

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214
STATION

VANDENBERG AFB CA
STATION NAME

67-70, 73-75, 77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .1
NO CEILING	51.9	69.8	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.7	71.0
≥ 20000	52.6	70.7	71.4	71.6	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.8
≥ 18000	53.0	71.4	72.1	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8	73.5
≥ 16000	53.5	72.1	72.8	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5	74.2
≥ 14000	54.6	73.2	73.9	74.1	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.6	75.3
≥ 12000	55.3	74.1	74.8	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	76.2
≥ 10000	55.3	74.4	75.1	75.3	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	76.6
≥ 9000	55.3	74.4	75.1	75.3	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	76.6
≥ 8000	55.6	74.8	75.5	75.7	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.9
≥ 7000	56.2	75.3	76.0	76.2	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	77.5
≥ 6000	56.2	75.7	76.4	76.6	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.8
≥ 5000	56.9	76.7	77.5	77.6	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2	78.9
≥ 4500	57.4	77.6	78.4	78.5	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.8
≥ 4000	58.1	78.4	79.1	79.2	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8	80.5
≥ 3500	58.3	79.1	79.8	80.0	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	81.2
≥ 3000	58.7	79.4	80.1	80.3	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9	81.6
≥ 2500	59.6	80.9	81.6	81.8	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.3	83.0
≥ 2000	59.7	82.1	82.8	83.0	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	84.4
≥ 1800	59.7	82.6	83.5	83.7	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	85.3
≥ 1500	59.9	83.9	85.0	85.2	85.5	85.5	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.8
≥ 1200	59.9	84.4	85.9	86.6	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	88.6
≥ 1000	59.9	85.0	86.4	87.1	88.0	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	89.4
≥ 900	59.9	85.0	86.4	87.1	88.0	88.2	88.2	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.9	89.6
≥ 800	59.9	85.9	87.3	88.0	88.9	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.8	90.5
≥ 700	60.3	86.7	87.7	88.6	89.8	90.0	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.7	91.4
≥ 600	60.3	86.8	88.2	89.4	90.7	90.9	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.8	92.5
≥ 500	60.3	87.3	88.7	90.2	91.4	91.9	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.7
≥ 400	60.3	87.7	89.1	90.5	91.9	92.5	93.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.8
≥ 300	60.3	87.7	89.1	90.7	92.3	92.8	93.4	94.3	94.5	94.6	94.6	94.6	94.6	94.6	95.3	96.1
≥ 200	60.3	87.7	89.1	90.7	92.3	92.8	93.6	94.6	95.0	95.2	95.2	95.2	95.2	95.2	96.1	97.0
≥ 100	60.3	87.7	89.1	90.7	92.3	92.8	93.7	94.8	95.2	95.3	95.3	95.3	95.3	95.3	96.6	97.7
≥ 0	60.3	87.7	89.1	90.7	92.3	92.8	93.7	94.8	95.2	95.3	95.3	95.3	95.3	95.3	96.6	97.7

TOTAL NUMBER OF OBSERVATIONS

559

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENBERG AFB CA

7-70, 73-78

REC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	59.5	68.5	68.8	69.1	69.4	69.5	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.9	70.0	70.2
≥ 20000	62.0	71.7	72.1	72.4	72.9	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.6	73.9
W 18000	62.2	72.3	72.6	73.0	73.4	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.1	74.4
W 16000	62.9	73.0	73.3	73.7	74.1	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.9	75.1
W 14000	63.6	73.8	74.2	74.6	75.0	75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.7	76.0
W 12000	64.6	74.9	75.3	75.7	76.1	76.3	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.9	77.1
W 10000	65.2	75.8	76.2	76.6	77.1	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.8	78.1
W 9000	65.4	75.9	76.3	76.8	77.2	77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.9	78.2
W 8000	65.6	76.3	76.7	77.1	77.5	77.7	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.2	78.3	78.5
W 7000	66.0	76.7	77.1	77.5	78.0	78.1	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.7	79.0
W 6000	66.4	77.3	77.7	78.2	78.6	78.8	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.4	79.6
W 5000	66.9	78.1	78.5	79.0	79.4	79.5	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.2	80.4
W 4500	67.4	79.0	79.5	79.9	80.4	80.5	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.2	81.5
W 4000	67.7	79.6	80.1	80.5	81.0	81.2	81.3	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.8	82.1
W 3500	68.2	80.3	80.8	81.2	81.7	81.9	82.1	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.6	82.8
W 3000	69.4	82.2	82.6	83.1	83.6	83.8	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.5	84.7
W 2500	70.4	84.1	84.7	85.3	85.8	85.9	86.1	86.3	86.3	86.4	86.4	86.4	86.4	86.5	86.6	86.9
W 2000	71.1	85.8	86.4	87.2	87.7	87.9	88.1	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.6	88.9
W 1800	71.3	86.3	87.0	87.7	88.4	88.5	88.7	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.3	89.6
W 1500	71.5	87.5	88.3	89.2	89.9	90.1	90.3	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.9	91.2
W 1200	71.8	88.5	89.3	90.5	91.3	91.5	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.4	92.6
W 1000	72.0	89.2	90.1	91.4	92.3	92.5	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.5	93.7
W 900	72.1	89.3	90.2	91.6	92.5	92.7	93.0	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.7	93.9
W 800	72.1	89.5	90.4	91.9	92.8	93.0	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.9	94.0	94.3
W 700	72.1	89.6	90.6	92.1	93.1	93.4	93.6	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.4	94.7
W 600	72.2	89.9	90.9	92.5	93.7	93.9	94.2	94.6	94.6	94.7	94.8	94.8	94.8	94.8	95.0	95.3
W 500	72.2	90.2	91.3	92.9	94.2	94.5	94.8	95.3	95.3	95.5	95.6	95.6	95.6	95.7	95.8	96.1
W 400	72.2	90.4	91.6	93.3	94.8	95.1	95.5	96.1	96.1	96.4	96.4	96.4	96.4	96.5	96.7	97.0
W 300	72.2	90.5	91.7	93.6	95.2	95.5	96.0	96.6	96.6	97.0	97.1	97.2	97.2	97.4	97.5	97.9
W 200	72.2	90.6	91.7	93.6	95.3	95.6	96.1	96.8	96.9	97.3	97.4	97.5	97.6	97.9	98.3	99.1
W 100	72.2	90.6	91.7	93.6	95.3	95.6	96.1	96.9	97.0	97.3	97.5	97.6	97.8	98.0	98.7	99.8
W 0	72.2	90.6	91.7	93.6	95.3	95.6	96.1	96.9	97.0	97.3	97.5	97.6	97.8	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

4889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93214

VANDENREPL AFB CA

7-70, 73-79

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	40.7	50.6	51.3	51.7	52.1	52.1	52.3	52.4	52.4	52.5	52.5	52.5	52.6	52.7	53.0	53.3
≥ 20000	42.4	52.7	53.4	54.0	54.3	54.4	54.5	54.6	54.6	54.7	54.8	54.8	54.9	55.0	55.2	55.6
≥ 18000	42.7	53.2	53.9	54.4	54.7	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.3	55.4	55.6	56.0
≥ 16000	43.0	53.6	54.3	54.8	55.1	55.2	55.4	55.5	55.5	55.6	55.6	55.7	55.7	55.8	56.1	56.4
≥ 14000	43.6	54.3	55.0	55.5	55.9	56.0	56.1	56.2	56.2	56.3	56.4	56.4	56.5	56.6	56.8	57.2
≥ 12000	44.2	54.9	55.7	56.2	56.6	56.7	56.8	56.9	57.0	57.1	57.1	57.1	57.2	57.3	57.6	57.9
≥ 10000	44.7	55.6	56.4	56.9	57.3	57.4	57.6	57.7	57.7	57.8	57.8	57.9	58.0	58.0	58.3	58.7
≥ 9000	44.8	55.8	56.6	57.1	57.5	57.6	57.7	57.8	57.9	58.0	58.0	58.0	58.1	58.2	58.5	58.8
≥ 8000	45.2	56.2	57.0	57.6	57.9	58.0	58.2	58.3	58.3	58.4	58.5	58.5	58.6	58.7	58.9	59.3
≥ 7000	45.5	56.7	57.4	58.0	58.4	58.5	58.6	58.7	58.8	58.8	58.9	58.9	59.0	59.1	59.4	59.7
≥ 6000	45.9	57.2	57.9	58.5	58.9	59.0	59.2	59.3	59.3	59.4	59.4	59.5	59.6	59.6	59.9	60.3
≥ 5000	46.3	57.8	58.5	59.1	59.5	59.6	59.8	59.9	59.9	60.0	60.0	60.1	60.2	60.3	60.5	60.9
≥ 4500	46.7	58.3	59.1	59.6	60.0	60.2	60.3	60.4	60.4	60.5	60.6	60.6	60.7	60.8	61.0	61.4
≥ 4000	47.2	58.9	59.7	60.3	60.7	60.8	61.0	61.1	61.1	61.2	61.2	61.3	61.4	61.4	61.7	62.1
≥ 3500	47.6	59.5	60.3	60.9	61.3	61.4	61.5	61.7	61.7	61.8	61.8	61.9	61.9	62.0	62.3	62.7
≥ 3000	48.2	60.4	61.3	61.9	62.3	62.4	62.6	62.7	62.7	62.8	62.8	62.9	63.0	63.0	63.3	63.7
≥ 2500	49.1	61.8	62.7	63.4	63.8	63.9	64.0	64.2	64.2	64.3	64.3	64.4	64.5	64.5	64.8	65.2
≥ 2000	50.2	63.7	64.6	65.3	65.8	65.9	66.1	66.2	66.2	66.3	66.3	66.4	66.5	66.6	66.8	67.2
≥ 1800	50.8	64.6	65.6	66.3	66.8	66.9	67.0	67.2	67.2	67.3	67.4	67.4	67.5	67.6	67.8	68.2
≥ 1500	51.6	66.3	67.3	68.1	68.6	68.7	68.9	69.0	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1
≥ 1200	52.4	68.3	69.4	70.3	70.8	71.0	71.2	71.3	71.3	71.4	71.5	71.5	71.6	71.7	72.0	72.3
≥ 1000	52.9	70.0	71.2	72.2	72.8	73.0	73.2	73.3	73.3	73.5	73.5	73.6	73.6	73.7	74.0	74.4
≥ 900	53.2	71.2	72.5	73.6	74.3	74.4	74.7	74.8	74.9	75.0	75.0	75.1	75.2	75.2	75.5	75.9
≥ 800	53.4	72.2	73.8	75.0	75.8	75.9	76.2	76.3	76.4	76.5	76.5	76.6	76.7	76.7	77.0	77.4
≥ 700	53.5	73.3	75.1	76.6	77.4	77.6	77.9	78.1	78.1	78.2	78.3	78.3	78.4	78.5	78.7	79.1
≥ 600	53.7	74.4	76.6	78.5	79.4	79.6	80.0	80.2	80.2	80.3	80.4	80.4	80.5	80.6	80.9	81.2
≥ 500	53.7	75.5	78.0	80.5	81.8	82.1	82.5	82.8	82.9	83.0	83.1	83.1	83.2	83.3	83.6	84.0
≥ 400	53.7	76.1	78.9	82.1	84.0	84.5	85.1	85.6	85.7	85.9	86.1	86.1	86.3	86.4	86.6	87.0
≥ 300	53.8	76.3	79.2	82.9	85.2	85.9	86.9	87.8	88.0	88.4	88.7	88.8	89.1	89.2	89.6	90.2
≥ 200	53.8	76.3	79.3	83.1	85.6	86.4	87.6	88.9	89.2	89.8	90.4	90.7	91.3	91.7	93.0	94.5
≥ 100	53.8	76.3	79.3	83.1	85.6	86.5	87.7	89.1	89.4	90.2	90.9	91.3	92.0	92.6	95.0	99.6
≥ 0	53.8	76.3	79.3	83.1	85.6	86.5	87.7	89.1	89.4	90.2	90.9	91.3	92.0	92.6	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS

59439

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

93214

VANDENBERG AFB CA

73-79

JAN

STATION

STATION NAME

PERIOD

400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	41.9			23.7						15.1	19.4	4.0	93
	03-05	32.6			22.1						26.3	18.9	4.9	95
	06-08	24.9			20.7						23.1	31.3	5.8	329
	09-11	18.2			24.5						27.6	29.7	6.2	539
	12-14	16.0			26.3						28.8	28.9	6.3	539
	15-17	13.5			28.0						27.5	31.0	6.4	535
	18-20	21.7			28.5						16.0	33.8	5.7	281
	21-23	37.5			24.5						12.3	25.7	4.4	253
TOTALS		25.8			24.6						22.1	27.3	5.5	2604

SKY COVER

FEB

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	19.0			23.8						27.4	29.8	6.2	84
	03-05	17.9			28.6						22.6	31.0	6.0	84
	06-08	16.2			32.3						19.1	32.3	5.9	303
	09-11	14.6			31.2						25.8	28.4	6.1	465
	12-14	12.2			34.4						26.9	26.5	6.1	468
	15-17	9.2			32.5						28.2	30.1	6.5	465
	18-20	14.7			33.2						30.0	22.1	5.9	190
	21-23	27.9			24.3						22.9	25.0	5.3	140
TOTALS		16.3			30.3						25.4	28.2	6.0	2199

SKY COVER

MAR

MONITOR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	26.0			32.0						19.0	23.0	5.0	100
	03-05	28.0			30.0						18.0	24.0	4.9	100
	06-08	15.5			26.0						22.9	35.6	6.4	362
	09-11	13.0			25.3						26.7	33.0	6.5	494
	12-14	12.3			29.4						24.3	34.0	6.5	497
	15-17	8.9			34.1						22.0	35.0	6.5	492
	18-20	11.2			22.8						31.1	35.0	7.0	206
	21-23	17.3			25.3						23.5	34.0	6.3	162
TOTALS		16.8			28.1						23.4	31.7	6.1	2413

SKY COVER

93214

73-78

APR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	36.7			12.2						16.7	34.4	5.3	90
	03-05	32.2			7.8						14.4	45.6	6.1	90
	06-08	27.2			19.4						14.2	39.3	5.8	346
	09-11	23.9			26.9						17.6	31.6	5.6	465
	12-14	24.7			34.8						18.3	22.2	4.9	465
	15-17	18.1			38.6						21.2	22.1	5.3	453
	18-20	24.7			30.1						15.1	20.1	5.3	186
	21-23	37.3			19.0						9.8	34.0	4.8	153
TOTALS		28.1			23.6						15.9	32.4	5.4	2248

2,

•

MAY

MON-IM

8

1

SKY COVER

93214
STATION

VANDENBERG AFB CA

73-78

JUN
MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	27.8			7.8						5.6	58.9	6.6	90
	03-05	25.6			6.7						4.4	63.3	6.9	90
	06-08	16.6			11.3						11.3	60.8	7.4	362
	09-11	23.1			22.9						15.6	38.4	5.9	450
	12-14	24.3			31.0						25.0	19.7	5.1	452
	15-17	24.3			25.7						21.8	28.2	5.6	362
	18-20	26.1			12.8						12.8	48.3	6.4	180
	21-23	27.3			6.0						12.7	54.0	6.7	150
TOTALS		24.4			15.5						13.7	46.5	6.3	2136

SKY COVER

JUL

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	16.1			7.5						7.5	68.8	7.8	93
	03-05	11.8			5.4						1.1	81.7	8.4	93
	06-08	8.8			10.5						6.3	74.4	8.3	351
	09-11	22.5			22.8						10.3	44.4	6.1	435
	12-14	22.3			40.7						19.1	17.9	4.7	435
	15-17	19.9			35.5						25.3	19.3	5.3	352
	18-20	24.7			17.7						10.8	46.8	6.2	186
	21-23	20.6			12.9						3.9	62.6	7.0	155
TOTALS		18.3			19.1						10.5	52.0	6.7	2100

SKY COVER

AUG
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	11.5			5.2						8.3	75.0	8.4	96
	03-05	8.5									8.5	83.0	9.1	94
	06-08	3.3			6.5						6.8	83.4	9.1	367
	09-11	14.2			21.6						17.9	46.4	6.9	459
	12-14	18.8			38.0						26.9	16.3	5.2	453
	15-17	15.1			32.1						29.9	23.0	6.0	365
	18-20	15.1			2.7						13.5	68.6	8.2	185
	21-23	14.7			5.8						5.1	74.4	8.1	156
TOTALS		12.7			14.0						14.6	58.8	7.6	2175

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

93214

VANDENBERG AFB CA

73-78

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02													
	03-05													
	06-08	15.6			11.9						8.0	64.5	7.5	352
	09-11	22.5			22.0						14.2	41.3	6.1	431
	12-14	23.3			33.5						15.5	27.7	5.2	433
	15-17	19.6			32.3						18.2	30.0	5.6	347
	18-20	23.9			15.0						6.7	54.4	6.5	180
	21-23	24.0			9.9						6.6	59.5	6.8	121
TOTALS		21.5			20.6						11.5	46.2	6.3	1864

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

•

●

●

P

•

•

1

1

1

1

8

1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

93714
STATION

VANDENBERG AFB CA

73-78

NUV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02													
	03-05													
	06-08	33.2			24.3						21.3	21.3	4.8	202
	09-11	31.4			34.3						16.1	16.2	4.3	423
	12-14	27.4			33.7						22.2	16.7	4.7	424
	15-17	23.7			32.3						24.9	19.1	5.1	418
	18-20	34.4			27.2						12.8	25.6	4.5	180
	21-23	47.2			14.0						14.0	24.7	4.2	178
TOTALS		32.9			27.6						18.6	20.9	4.6	1825

SKY COVER

DEC
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JEC	00-02											100.0	10.0	3
	03-05											100.0	10.0	3
	06-08	19.0			31.4						24.3	25.2	5.7	210
	09-11	24.5			29.8						22.0	23.6	5.2	440
	12-14	19.5			36.2						22.4	21.9	5.3	442
	15-17	18.2			32.9						23.7	25.3	5.6	435
	18-20	25.1			29.7						19.5	25.6	5.2	195
	21-23	20.0			28.9						20.5	20.5	4.8	190
TOTALS		17.0			23.0						16.6	42.8	6.5	1918

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

93214
STATIONVANDENBERG AFB CA
STATION NAME73-79
PERIODALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.8			24.8						22.1	27.3	5.5	2664
FEB		16.5			30.0						25.4	28.2	6.0	2199
MAR		16.6			28.1						23.4	31.7	6.1	2413
APR		28.1			23.6						15.9	32.4	5.4	2248
MAY		17.7			20.0						13.3	49.1	6.7	2279
JUN		24.4			15.5						13.7	46.5	6.3	2136
JUL		18.3			19.1						10.5	52.0	6.7	2100
AUG		12.7			14.0						14.6	58.8	7.6	2175
SEP		21.5			20.8						11.5	46.2	6.3	1864
OCT		21.2			28.0						16.4	34.4	5.8	1956
NOV		32.9			27.0						18.6	20.9	4.6	1825
DEC		17.0			23.6						16.6	42.8	6.5	1918
TOTALS		21.1			22.9						16.8	39.2	6.1	25777

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

347.

TEMP °F.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A.
100									.2				.0
95						.2		.2	.5	.5			.1
90				.2	.2	.5		1.7	2.3				.4
85			.2	.7	.3	.7	.2	.2	4.0	4.7	.3	.3	1.0
80	.3	.5	.5	1.5	1.0	1.3	.3	1.0	7.4	8.3	4.0	1.3	2.4
75	5.4	2.0	3.0	4.0	2.2	2.5	2.6	3.9	12.9	17.5	10.8	4.3	5.0
70	11.4	6.2	7.0	6.3	4.7	6.4	9.7	17.4	22.5	34.2	24.1	12.4	14.4
65	22.8	20.2	18.9	19.6	12.7	30.1	43.0	61.9	67.7	67.6	44.7	28.6	36.3
60	48.8	50.6	44.4	47.9	55.0	84.6	94.3	27.7	97.5	95.4	78.9	56.6	71.3
55	53.4	88.3	87.5	91.5	94.3	99.4	100.0	99.8	100.0	99.8	91.8	66.7	94.5
50	98.9	99.5	99.7	99.4	100.0	100.0		100.0		100.0	100.0	98.4	99.7
45	99.7	100.0	100.0	100.0								99.8	100.0
40	100.0											100.0	100.0
MEAN	2.5	60.4	60.1	60.5	60.8	63.2	64.4	65.1	67.1	67.5	65.1	61.4	63.3
S D	6.711	5.571	5.709	6.072	4.702	4.638	3.729	4.143	6.536	7.417	5.725	4.571	4.573
TOTAL OBS	613	552	602	575	591	542	412	620	597	612	557	615	719

AIR FORCE CLIMATE DATA
 AIR WEATHER SERVICE/AFAC
 53224 VAN DUSEN AFB CA
 STATION STATION NAME

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80													
75													
70													
65													
60													
55	3.8	3.0	4.7	5.7	3.0	16.0	23.3	44.8	44.9	28.6	14.8	5.7	16.0
50	18.8	18.5	22.3	22.7	45.3	77.6	91.0	96.5	99.2	71.2	42.0	19.3	51.0
45	48.5	52.4	62.1	71.4	88.7	98.7	100.0	100.0	99.2	93.0	75.5	48.8	78.5
40	76.2	86.5	88.7	95.5	99.7	100.0			100.0	99.0	94.4	77.7	93.1
35	93.5	98.2	98.8	100.0	100.0					100.0	90.5	93.7	98.4
30	96.6	99.3	99.7								90.8	97.4	99.4
25	99.5	100.0	100.0								100.0	99.7	99.9
20	100.0											100.0	100.0
15													
10													
5													
0													
-5													
-10													
-15													
-20													
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
MEAN	44.0	44.0	44.9	46.1	49.1	51.7	53.7	54.1	54.1	51.0	47.4	44.3	49.0
S.D.	6.140	5.101	4.988	4.413	3.675	3.628	2.600	2.691	3.867	4.714	5.858	5.227	5.901
TOTAL OBS.	613	583	602	576	501	498	610	620	597	612	593	615	7190

DAILY TEMPERATURES

P-71

FEARS

740

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP. °F	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
65													
60													
75													
70	.3	.2	.3	.7	1.4	1.7	.2	.6	1.8	1.6	.2	.5	1.5
65	1.8	1.6	1.7	2.1	1.8	2.2	1.0	6.9	17.1	15.4	7.4	2.3	5.5
60	9.1	5.7	9.0	9.9	7.4	23.2	35.2	60.7	62.6	54.6	25.2	17.2	26.0
55	54.4	32.1	32.1	37.3	54.8	88.4	97.0	99.7	99.0	91.0	84.2	58.9	84.4
50	59.5	79.0	82.7	88.7	99.2	100.0	100.0	100.0	100.0	99.7	94.9	72.1	70.0
45	54.1	99.1	98.8	99.8	100.0					100.0	99.8	95.0	93.9
40	59.7	100.0	100.0	100.0							100.0	99.5	99.9
35	100.0											100.0	100.0
30													
25													
20													
15													
10													
5													
0													
MEAN	52.5	52.0	53.2	54.0	55.5	57.7	55.4	60.4	61.3	60.4	58.5	57.1	56.4
S. D.	5.35	4.15	4.40	4.30	3.45	1.50	2.12	2.76	4.30	4.99	5.27	5.62	5.15
TOTAL OBS.	613	500	602	575	591	597	10	620	597	612	597	613	717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

93214 VANDENBERG AFB CA
STATION STATION NAME

58-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
58					*	70	70	82	92	83	82	87	
59	73	70	79	88	74	67	85	79	71	90	82	81	90
60	73	71	78	83	72	75	78	72	79	83	67	72	83
61	77	72	68	77	66	76	76	74	89	93	77	73	93
62	78	61	67	78	66	75	66	96	75	80	76	80	96
63	74	78	73	69	67	66	72	75	85	77	83	80	85
64	67	75	73	84	63	67	75	73	89	95	78	66	95
65	74	76	67	75	67	66	71	78	87	99	70	75	99
66	71	70	76	90	65	77	70	73	84	94	87	73	94
67	75	73	64	61	88	64	73	75	85	90	84	73	95
68	76	74	74	86	72	72	73	85	98	88	80	75	96
69	73	66	77	69	69	71	73	76	76	84	79	77	84
70	66	68	70	76	93	73	75	73	100	83	80	69	100
71	83	83	77	83	65	77	76	83	89	97	81	66	97
72	71	70	77	75	71	79	75	80	82	88	76	72	88
73	74	72	63	77	78	92	78	69	93	86	81	74	93
74	73	70	71	76	73	71	74	70	73	86	83	72	86
75	78	64	62	65	70*	68*	69*	75*	92*	81*	79*	86	* 92
76	* 82*	68*	79*	68*	84*	98*	69*	73*	80*	84*	84*	78	* 96
77	* 77*	77*	68*	71*	65*	68*	80*	80*	78*	78*	81*	81	* 81
78	* 66*	69*	87*	68*	82*	70*	68*	75*	87*	79*	74*	69	* 87
79	* 67*	62											
MEAN	73.9	71.4	71.5	77.2	71.7	73.0	74.1	77.2	85.1	88.0	79.2	74.4	91.9
S D	4.045	5.207	5.558	8.025	8.107	6.861	4.152	6.629	8.388	6.144	4.978	5.397	5.531
TOTAL OBS	613	563	602	576	591	598	610	620	597	612	593	615	7190

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA) # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

93214 STATION VANDENBERG AFB CA

58-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
58					*	47	50	53	49	49	32	34	
59	35	37	41	45	43	46	50	52	50	50	45	41	35
60	32	40	42	40	44	49	49	48	48	45	37	30	30
61	32	35	36	36	41	45	45	48	46	35	35	37	32
62	30	31	35	39	41	44	48	45	47	42	41	34	30
63	34	48	39	41	43	47	49	48	52	51	42	38	34
64	35	33	34	36	39	45	45	49	43	43	33	32	32
65	32	34	40	37	39	43	45	49	45	42	39	31	31
66	30	33	35	39	43	43	46	49	43	40	39	30	30
67	36	36	37	39	43	43	48	52	50	44	38	26	26
68	30	38	39	37	41	46	50	50	43	44	39	33	30
69	35	38	36	39	42	45	48	47	52	43	40	33	31
70	31	37	36	36	40	45	49	48	43	44	40	36	31
71	30	37	32	39	42	45	46	48	45	36	37	30	30
72	34	36	32	36	43	48	48	47	45	38	38	31	31
73	28	40	37	41	43	46	48	47	49	43	41	42	26
74	35	37	38	44	45	48	49	52	47	45	37	30	30
75	30	33	33	36	41*	50*	50*	52*	49*	38*	39*	33	30
76	*	25*	39*	35*	42*	49*	48*	51*	53*	53*	48*	43*	25
77	*	39*	40*	44*	44*	43*	50*	53*	55*	53*	43*	44*	39
78	*	40*	44*	52*	49*	51*	51*	50*	50*	47*	42*	33	33
79	*	35*	40										
MEAN	32.4	36.6	36.6	38.8	41.9	45.5	47.8	48.9	46.9	43.2	38.4	33.4	30.6
S.D.	2.448	3.856	2.980	2.767	1.676	1.826	1.776	2.193	3.100	4.391	3.203	4.244	2.167
TOTAL OBS.	613	563	602	576	591	598	610	620	597	612	593	615	7190

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

68-70, 73, 78

YEARS

JAN
MONTH

PAGE 1 0300-0500
HOURS L. S. T. I

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

68-70, 73-79

YEARS

JAN
MONTH

PAGE 1 0600-0600

0000-0000
HQS S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

48-70,73-79

— JA?

PAGE 1 0900-1100

1

GLOBAL CLIMATOLOGY BRANCH
USAF/CLC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

68-70, 73-79

YEARS

— 24 —

PAGE 2 0400-1100

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

8-70, 73-79

JA¹

PAGE 1 1200-1400

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF/CLC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANLENDERG AFB CA
STATION STATION NAME

72-73 و 74-75

PAGE 2 125G-140

[illegible]

AD-A082 417

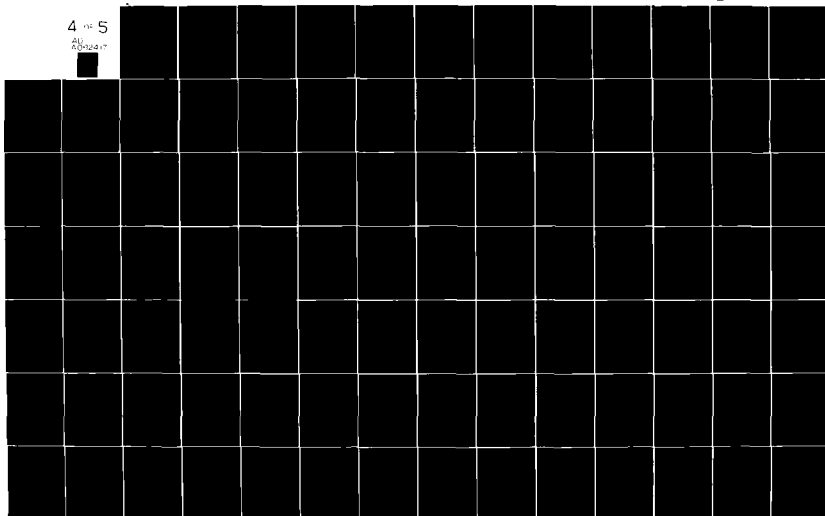
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/S S/P
VANDENBERG AFB, LOMPOC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)
AUG 79

UNCLASSIFIED USAFETAC/DS-00/025

ML

4 of 5

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED



GLOBAL CLIMATOLOGY BRANCH
USAFETC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

69-70, 73-79

YEARS

DATE

PAGE 1 1500-1700
HOURS S. T.

HOURS: 11:30 A.M. - 1:30 P.M.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

CR-70, 73-75, 79

YEARS

Jan
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

68-70, 73-75

JAN
MONTH

PAGE 1 2100-2500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

68-70, 73-79

YEARS

JAN

PAGE 1

ALL

HOURS - L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
82/ 81																.0	.0	3	3								
80/ 79															.1	.0	5	5									
78/ 77												.0	.1	.0	.2			16	16								
76/ 75										.0		.1	.1	.1				15	15								
74/ 73							.0	.1	.0	.0	.1	.2	.1	.0				33	33								
72/ 71								.0	.1	.0	.2	.1						20	21								
70/ 69						.0	.1	.1	.1	.1	.1	.0		.0				34	34								
68/ 67					.1	.1	.2	.1	.3	.2	.2	.0	.0					58	58								
66/ 65		.0	.0	.1		.2	.4	.3	.3	.2		.0						75	75								
64/ 63		.1	.1	.1	.2	.3	.3	.3	.1	.1	.1							79	80	1							
62/ 61		.4	.2	.4	.6	.3	.4	.5	.2	.1	.0							156	156	10	1						
60/ 59		1.6	.6	1.2	.7	.6	.7	.3	.1	.0								289	289	47	15						
58/ 57	.2	2.0	1.9	1.2	.9	.8	.6	.4	.1	.0								398	398	124	87						
56/ 55	.7	3.8	2.4	1.8	1.1	.9	.5	.1	.0									554	554	289	146						
54/ 53	.5	4.0	2.9	1.6	1.2	.7	.3	.1	.0									558	558	511	215						
52/ 51	.4	4.4	3.2	1.7	1.1	.9	.4	.0										593	593	542	302						
50/ 49	.3	4.0	2.9	1.7	1.2	.5	.1	.0										528	528	629	405						
48/ 47	.1	3.5	1.6	1.4	.7	.2	.1											369	369	614	396						
46/ 45	.0	3.1	1.9	1.2	.5	.1												337	337	515	463						
44/ 43	.0	1.9	1.7	.9	.3	.0												238	238	451	377						
42/ 41		1.0	1.5	.7	.2													169	169	370	368						
40/ 39	.0	1.0	1.1	.3	.1													128	128	261	334						
38/ 37		.8	.9	.2	.0													95	95	190	322						
36/ 35	.0	.8	.7	.1	.0													76	76	168	308						
34/ 33		.3	.4															33	33	86	297						
32/ 31		.2	.2															20	20	48	244						
30/ 29		.0	.2															11	11	26	222						
28/ 27		.0	.0															2	2	15	146						
26/ 25			.0															1	1	5	93						
24/ 23																					59						
22/ 21																				1	47						
20/ 19																					25						
18/ 17																					9						
16/ 15																					6						
Element (X)	Σ X²				Σ X				X̄				e _x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

58-70, 73-79

Jack
MONTGOMERY

PAGE 2

ALL
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

8-70, 73-79

FBI

PAGE 1 0600-0600
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA STATION NAME

68-70.73-79 YEARS

FE-5 MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
76/ 75												.1	.1					2									
74/ 73								.1				.1	.1					3	3								
72/ 71						.1		.1	.1									3	3								
70/ 69							.1	.1		.1	.3							5	5								
68/ 67						.3	.1	.3										5	5								
66/ 65			.1		.1	.3	.4	.4	.4	.3	.1		.1					17	17								
64/ 63			.3	.3	.6	.6	.6	1.5	.4	.3								37	32	1							
62/ 61		.1	.8	.6	.6	.7	1.3	1.0	.1									37	37	2							
60/ 59		.6	.8	2.4	1.3	1.5	1.5	.4	.1									62	62	5	1						
58/ 57		2.4	4.6	2.8	2.8	1.3	.7	.3										106	106	17	5						
56/ 55	.4	3.9	5.3	3.1	2.6	1.3	1.1											127	127	52	15						
54/ 53	.3	3.9	4.0	3.2	1.5	1.4	.3											105	105	108	36						
52/ 51	.7	4.0	4.9	2.8	1.4	.8	.6											109	109	116	61						
50/ 49	1.0	3.8	2.8	1.3			.3											65	65	152	98						
48/ 47	.4	1.0	.6	.7	.3	.4												24	24	119	83						
46/ 45	.7	.1	.4		.1	.1												11	11	82	94						
44/ 43	.3	.4																5	5	39	68						
42/ 41	.1	.1																2	2	15	57						
40/ 39																				7	46						
38/ 37																				5	39						
36/ 35																										33	
34/ 33																										27	
32/ 31																										24	
30/ 29																										8	
28/ 27																										7	
26/ 25																										6	
24/ 23																										1	
22/ 21																										1	
20/ 19																										1	
18/ 17																										1	
16/ 15																										1	
14/ 13																										1	
12/ 11																										1	
TOTAL	3.9	20.3	24.6	16.9	11.4	8.8	6.9	4.3	1.3	.7	.7	.3	.1					720	720		720						
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	3621031		49139		68.2		19.283		720		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total				
Dry Bulb	2231165		39909		55.4		5.146		720						2.1		.6						84				
Wet Bulb	1791335		35799		49.7		3.978		720														84				
Dew Point	1427248		31642		43.9		7.142		720						6.4								84				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

18-70, 73-79

180

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
76/ 75												.1						1	1					
74/ 73												.1						1	1					
70/ 69						.1		.1	.1	.1								4	4					
68/ 67					.1		.3	.4	.3				.3					10	10					
66/ 65				.4	.3	.8	.4	1.1	.4			.3	.1					28	28					
64/ 63				.4	.6	.7	.1	1.0	.3	.1								23	23					
62/ 61		.3	1.4	1.5	1.8	.8	1.0	.6										53	53					
60/ 59		1.1	4.9	3.5	1.8	1.0	1.3	.1	.3									100	100	9				
58/ 57		2.2	7.1	6.1	2.8	1.3	.1											141	141	34	3			
56/ 55	.4	3.9	7.6	6.1	1.8		.3	.1										146	146	88	27			
54/ 53		3.1	7.6	4.2	.8	.3												115	115	120	55			
52/ 51	.8	2.2	4.4	1.3	.3	.1												66	66	188	96			
50/ 49	.1	1.1	.8	1.0														22	22	144	49			
48/ 47		.1	.1	.1														3	3	33	30			
46/ 45		.1	.3	.3														5	5	22	87			
44/ 43			.3															2	2	17	67			
42/ 41																				7	47			
40/ 39																					41			
38/ 37																					25			
36/ 35																					21			
34/ 33																					6			
32/ 31																					5			
30/ 29																					2			
28/ 27																					1			
26/ 25																					2			
22/ 21																					1			
20/ 19																					1			
16/ 15																					1			
12/ 11																					2			
10/ 9																					1			
TOTAL	1.4	14.2	34.6	24.9	10.3	5.1	3.5	3.5	1.4	.3		.6	.4					720	720	720	120			
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3698817		50337		69.915		806		720		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	2338349		40917		56.8		4.264		720						1.9		.2						84	
Wet Bulb	1910734		37012		51.4		3.359		720														84	
Dew Point	1562546		33326		46.3		6.130		720				1.9										84	

93214 VANDENBERG AFB CA
STATION STATION

A-70,73-79

FL

PAGE 1

ALL
NO. 85

USAFETAC FORM 0-26-3 (OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71)

PSYCHROMETRIC SUMMARY

68-70, 73-79

YEARS

FEB
MONTH

PAGE 2

ALL
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENPERG AFB CA
STATION STATION NAME

67-70, 73-74, 78

YEARS

144
MONTH

PAGE 1 0000-0200

HOURS 14.5. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

1. 1.41 MONTH

PAGE 1 0300-0500
HOURS (L, S, T, J)

[illegible]

67-70, 73-78

YEARS

44-
MONTH

PAGE 1 0600-0000
HOURS: 1. 5. 7. 1

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 73

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

YEARS

MAR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

HOURS (L, S, T)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
84/ 83															.1			1	1						
80/ 79												.1	.1					2	2						
78/ 77									.1	.1								2	2						
76/ 75											.2	.1	.1					4	4						
74/ 73										.2	.1							3	3						
72/ 71						.1	.1	.1	.3	.1	.1	.1						9	9						
70/ 69							.5	.3	.6	.1								13	13						
68/ 67					.1	.1	.3	.5	.3	.1	.1							14	14						
66/ 65				.3	.1	.7	.3	.3	.3		.1							20	20						
64/ 63			.2	.5	.7	1.3	.9	.2	.1	.1								35	35	1					
62/ 61		.3	1.4	1.6	.6	.8	.5	.5		.1								50	50	4					
60/ 59		.8	2.1	1.6	1.3	.9	1.0	.2	.2									71	71	15	1				
58/ 57		2.1	2.8	3.5	2.5	1.3	1.0	.3										117	117	44	7				
56/ 55	.7	2.3	4.2	4.3	2.1	2.2	.9	.7										150	150	85	35				
54/ 53	.2	2.9	4.7	4.3	3.5	1.6	.3		.1									153	153	99	45				
52/ 51	.3	4.6	3.9	2.9	2.3	.6	.1	.1										129	129	130	51				
50/ 49	.2	2.2	2.0	1.4	.6	.2		.1										58	58	159	101				
48/ 47		.8	1.2	.3	.1													21	21	142	114				
46/ 45	.2	.6	.2	.2														11	11	100	99				
44/ 43		.2																2	2	62	88				
42/ 41			.1															1	1	17	76				
40/ 39																				6	61				
38/ 37																				2	45				
36/ 35																					52				
34/ 33																					40				
32/ 31																					15				
30/ 29																					11				
28/ 27																					7				
26/ 25																					10				
24/ 23																					3				
22/ 21																					1				
20/ 19																					1				
18/ 17																					1				
16/ 15																					1				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

14 APR
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

7-70, 73-78

MAF
MONTH

PAGE 1 1200-1400
HOURS 12.00-14.00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
88/ 87																.1		1	1													
86/ 85																.1	.1	2	2													
80/ 79											.2	.1						3	3													
78/ 77										.2	.1		.3					6	6													
74/ 73									.1	.5								5	5													
72/ 71							.2	.2	.7		.1	.2	.1					14	14													
70/ 69							.5	.3	.1	.1	.2							11	11													
68/ 67				.3	.6	.6	.7	.1		.1								21	21													
66/ 65			.1	.3	.8	.7	.6	.2	.7	.1	.1							32	32													
64/ 63			.6	2.0	1.3	1.2	.8	.6		.1	.1							57	57													
62/ 61		.2	1.7	2.4	1.0	1.7	.7	.3	.5									75	75	7												
60/ 59		1.4	2.2	4.0	3.3	1.2	.8	.9										120	120	27	1											
58/ 57		2.1	4.7	5.3	4.3	1.6	1.4											168	168	77	14											
56/ 55		1.4	4.1	5.5	5.1	2.9	.3	.1										169	169	99	42											
54/ 53	.6	2.8	3.3	3.9	2.5	.7	.2											122	122	138	54											
52/ 51	.1	1.4	1.7	1.5	.1													42	42	154	80											
50/ 49	.1	.5	.7		.2													13	13	160	112											
48/ 47	.2	.2	.1		.1													6	6	125	95											
46/ 45		.1																1	1	67	104											
44/ 43																				10	98											
42/ 41																				3	71											
40/ 39																				1	58											
38/ 37																					47											
36/ 35																					36											
34/ 33																					21											
32/ 31																					12											
30/ 29																					11											
28/ 27																					6											
26/ 25																					4											
24/ 23																					1											
22/ 21																					1											
TOTAL	1.0	10.0	19.4	25.3	19.4	10.5	6.2	2.9	2.1	1.2	.9	.3	.5		.2	.1		868	868		668											
																		868		868												
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.	3787217		55467		63.916		733		868		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total									
Dry Bulb	2984833		50689		58.4		5.340		868						6.8		1.8		.6				93									
Wet Bulb	2327036		44816		51.6		3.891		868														93									
Dew Point	1815103		39223		45.2		6.594		868				3.4										93									

2

●

1

1

1

1

1. *What is the main purpose of the study?*
 2. *What are the research objectives?*
 3. *What is the research methodology?*
 4. *What are the results of the study?*
 5. *What are the conclusions of the study?*
 6. *What are the limitations of the study?*
 7. *What are the implications of the study?*
 8. *What are the future research directions?*

USAFETAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-76, 78

MAK

PAGE 1 1890-2000

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

c. 7-70, 73-74, 78

YEARS

MAR
MONTH

PAGE 1 2100-2500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-78

M. A. R. MCNALLY

PAGE 1

ALL

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-78

YEARS

PAGE 2

4 AN
MONTH

All

ALL
HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73

24

PAGE 1 0000-0400

[illegible]

PSYCHROMETRIC SUMMARY

7-70, 73-78

APR
MONTH

PAGE 1 0900-1100
HOURS (E. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

YEARS

ΔΡΟ
ΜΟΝΤΕ

PAGE 1 1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION

67-70, 73-75, 78

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

ALL
HOURS 11-5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
86/ 85															.0		.0	2	2													
84/ 83																.0		1	1													
80/ 79										.0		.0	.1					6	6													
78/ 77				.0					.0	.0	.0			.0				6	6													
76/ 75				.0					.0		.0	.0						4	4													
74/ 73									.0	.0	.0	.0						7	7													
72/ 71			.0			.0		.1	.1	.1	.1							15	15	?												
70/ 69			.0			.1	.1	.1	.1	.0	.0							26	26		2											
68/ 67			.0	.1	.2	.3	.2	.1	.0	.0								47	47	1												
66/ 65			.0	.1	.5	.3	.4	.1	.1	.0								82	82	2												
64/ 63		.0	.0	.6	.9	.5	.3	.2	.1									133	133	1	3											
62/ 61		.0	.4	1.1	1.1	.8	.3	.1	.0	.0								198	198	8	2											
60/ 59		.0	1.1	1.9	1.6	1.2	.3											307	307	24	1											
58/ 57	.0	.2	1.9	3.4	2.4	1.0	.2	.1	.0									470	470	126	6											
56/ 55		.5	3.5	5.2	2.5	1.0	.2	.0										661	661	247	19											
54/ 53		2.0	5.1	3.3	1.6	.4		.1										643	644	412	88											
52/ 51	.2	5.2	5.4	2.0	1.1	.1												720	720	680	253											
50/ 49	.5	7.2	4.1	1.8	.5	.1												735	735	1169	514											
48/ 47	.0	5.8	1.6	1.3	.5	.0												506	506	997	684											
46/ 45	.5	2.9	.9	.5	.1													254	254	652	694											
44/ 43	.1	2.0	.4	.2	.1													140	140	358	771											
42/ 41	.2	1.2	.5	.2	.0													109	109	240	562											
40/ 39	.2	.4	.2															39	39	127	400											
38/ 37		.0	.2															12	12	47	264											
36/ 35	.0		.0															4	4	25	190											
34/ 33																				9	109											
32/ 31																					76											
30/ 29																					53											
28/ 27																					20											
26/ 25																					6											
24/ 23																					10											
TOTAL	2.3	27.6	25.4	21.6	12.9	5.8	2.1	.9	.6	.3	.2	.1	.1	.0</																		

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 0300-0500
HOURS (L, S, T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION

7-70, 73-78

DAY
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78
YEARS

MAY
MONTH

PAGE 1 0900-1100
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb Dew Point			
92/ 91																	.1	1	1				
90/ 89																.1	.1	2	2				
88/ 87												.1						1	1				
86/ 85											.1							1	1				
84/ 83									.1	.1	.1	.1						4	4				
82/ 81										.1	.1							2	2				
80/ 79										.2								2	2				
78/ 77								.1	.4	.4		.1						8	8				
76/ 75						.4	.5	.5		.5								11	11				
74/ 73						.1	.1	.1	.1									4	4				
72/ 71						.2	.1	.4	.2									9	8				
70/ 69				.1	.2	.4	.1	.1	.1									9	9	1			
68/ 67			.1	.4	1.2	.4	.1											18	18	1			
66/ 65			.1	.6	1.0	.8	.2											23	23	3			
64/ 63			.7	2.1	2.7	.4	.2											52	52	12			
62/ 61		.1	.7	2.7	3.2	1.0	.1											66	66	19			
60/ 59		.6	3.2	6.7	2.3	1.4	.1											120	120	27	4		
58/ 57		1.9	4.8	6.7	4.3	.7												154	154	65	15		
56/ 55	.4	4.4	5.5	7.3	2.3	.2												168	168	131	37		
54/ 53	.6	4.3	6.0	2.7	.1	.2												117	117	170	77		
52/ 51	.6	4.0	2.0	.4	.4													62	62	186	123		
50/ 49	.1	.6																6	6	181	178		
48/ 47	.1																	1	1	35	143		
46/ 45																				5	113		
44/ 43																				4	83		
42/ 41																					37		
40/ 39																					12		
38/ 37																					9		
36/ 35																					5		
34/ 33																					3		
32/ 31																					1		
TOTAL	1.8	16.0	23.0	29.4	16.8	6.5	1.8	1.3	1.0	1.4	.5	.2				.1	.2	840	840	840	40		
																					840	840	
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.	4334805		59087		70.3		14.587		840		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93						
Dry Bulb	2920453		49263		58.6		6.113		840				7.9	4.0	1.4		93						
Wet Bulb	2379199		44601		53.1		1.628		840				.2				93						
Dew Point	1979435		40617		48.4		4.292		840				.1				93						

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

YEARS

MAY
 MONTH

PAGE 1 1200-1400
HOURS 12 00, 14 00

[illegible]

PSYCHROMETRIC SUMMARY

DAY
MONTH

PAGE 1 1800-2000

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

1
2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA

7-70, 73-74

YEARS

MAY
MONTHPAGE 1 2100-2000
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
68/ 67									.2									1																1				
66/ 65									.2									1																1				
64/ 63								.2										1																1				
62/ 61				.2														1																1				
60/ 59			.4	.4	.4													6															6					
58/ 57		.6	2.5	.2	.2													18															18		2			
56/ 55	.4	4.4	2.8	.4														42															42		13	4		
54/ 53	1.5	8.5	11.2	.9														117															117		54	25		
52/ 51	4.2	18.8	13.9	.2														195															195		105	87		
50/ 49	1.3	11.2	8.0	1.1	.6													117															117		186	80		
48/ 47		1.7	1.9															19															19		116	149		
46/ 45		1.5																8															8		35	89		
44/ 43		.2																1															1		13	50		
42/ 41																																			3	24		
40/ 39																																				11		
38/ 37																																				4		
36/ 35																																				2		
34/ 33																																				2		
TOTAL	7.4	46.9	40.6	3.4	1.1			.2	.4									527															527		527	527		
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total																	
Rel. Hum.	3853070		44802		85.0		9.178		527		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93																	
Dry Bulb	1425670		27374		51.9		2.681		527				.2								93																	
Wet Bulb	1296602		26106		49.5		2.538		527												93																	
Dew Point	1194336		25020		47.5		3.510		527												93																	

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

YEARS

10 MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73

YEARS

JUN
MON

PAGE 1 0300-0500

NOV 25 1964

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

YEARS

JUL
MONTH

PAGE 1

0600-0000
HOURS S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION

7-70, 73-78

YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7-70, 73-78

PAGE 1 1500-1700
HOURS L. S. T.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFH CA
STATION STATION NAME

7-70, 73-74

YEARS

JUN
MONTH

PAGE 1 1800-2400
HOURS (U - S - T -)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
84/ 83												.2						1	1					
80/ 79										.2								1	1					
70/ 69							.2											1	1					
68/ 67			.2	.2	.2	.2												4	4					
66/ 65				.6	.2	.2												5	5					
64/ 63			.6	.4	.2													6	6					
62/ 61			1.9	2.0	.2													22	22	4				
60/ 59		1.3	8.1	3.3														69	69	11	2			
58/ 57		3.5	11.1	1.7	.4													90	90	32	3			
56/ 55		11.7	15.0	2.4														157	157	103	32			
54/ 53		12.4	12.2	.2														134	134	131	83			
52/ 51		7.6	1.5															49	49	109	128			
50/ 49		.2																1	1	85	159			
48/ 47																				4	101			
46/ 45																					32			
TOTAL	36.7	50.6	10.7	1.1	.4	.2			.2		.2							540		540	540			

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

0277 63321

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94214	VANDENBERG AFB CA	7-7073	JUL
STATION	STATION NAME	YEARS	MONTH

PAGE 1 0300-0200
HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

 JUL
MONTH

HOURS: 9-5 T

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

7-70, 73-78

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 1200-1400
HOURS (a. s. t.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
78 / 77								.1										1	1															
76 / 75								.4	.2									5	5															
74 / 73						.1	.6											6	6															
72 / 71					.4	1.1	.1											13	13															
70 / 69				.4	1.4	2.2	.2											34	34															
68 / 67			.1	1.7	3.5	2.7												65	66															
66 / 65			.7	8.3	8.0	1.0												145	147															
64 / 63			1.2	14.8	4.9	.7												174	174	13														
62 / 61		.2	5.7	15.9	1.4													187	187	61														
60 / 59	.1	.1	9.6	5.6														124	124	152	14													
58 / 57		1.1	4.0	.2														43	43	206	32													
56 / 55		.6	.2															7	7	243	132													
54 / 53																				48	77													
52 / 51																				1	261													
50 / 49																					71													
48 / 47																					12													
46 / 45																					5													
TOTAL	.1	2.1	21.6	7.0	19.4	8.0	1.0	.5	.2									804	807		804													

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION

7-70, 73-74

JUL
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 2100-2500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

C-7-70, 73-78

YEARS

JUL
MONTH

PAGE 1

ALL
HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73, 78

AUG
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73, 78

YEARS

ΔUC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

YEARS

AUG
MONTH

HOURS (L, S, T)

USAFETAC FORM 0-26-3 OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 73

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-78

YEARS

ALL MONTH

PAGE 1 0900-1100
HOURS: 1 5 7 1

0300-770
HOURS 1 5 7

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

PAGE 1 1200-1400
HOURS (M, S, Y.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 2100-2500

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION

57-70, 73-78

AUG
MONTH

PAGE 1

ALL
HOURS 11.5.11

PSYCHROMETRIC SUMMARY

7-70

YEARS

SEP
MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0900-1100

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
96/ 95																		.6	5	5															
92/ 91																		.1	1	1															
90/ 89																	.4	.4	.3	8	8														
88/ 87											.1				.1		.3	.3	6	6															
86/ 85										.1	.3	.1			.3		.4	.5	13	13															
84/ 83											.1			.3		.3			5	5															
82/ 81									.1	.1	.5			.3		.1			9	9															
80/ 79									.1	.6			.1	.1					8	8															
78/ 77									.1	.5	.4	.1		.1					10	10															
76/ 75					.1	.8	.1	.1	.1	.3									12	12															
74/ 73				.1	.1	1.0	1.9	.5	.1	.1									31	31															
72/ 71			.1	.6	.9	1.1	.5	.3	.3										30	30															
70/ 69			.3	1.1	2.9	1.8	1.1	.1	.3										60	60															
68/ 67		.6	.9	5.2	4.5	1.6	.8	.1											109	109	7														
66/ 65		.1	3.1	11.4	5.8	1.1													172	172	31														
64/ 63		.9	5.4	8.9	2.0	.4													140	140	60														
62/ 61		1.8	4.8	3.5	.5														84	84	144														
60/ 59		2.4	3.8	1.0															57	57	250														
58/ 57		2.5	1.4																31	31	178														
56/ 55		.4																	3	3	101														
54/ 53		.1																	1	1	24														
52/ 51																					88														
50/ 49																					39														
48/ 47																					18														
46/ 45																					11														
44/ 43																					8														
42/ 41																					6														
40/ 39																					1														
38/ 37																					6														
36/ 35																					3														
34/ 33																					3														
32/ 31																					6														
30/ 29																					5														
26/ 25																					2														
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-78

SEH

PAGE 1 1500-1700
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
94/ 93																	.1	1	1																
92/ 91																	.1	1	1																
90/ 89																	.1	1	1																
88/ 87																	.3	.3	4	4															
86/ 85														.1		.3	.1	.1	5	5															
84/ 83														.1	.3	.3			5	5															
82/ 81									.1		.1		.1			.4		.1	7	7															
80/ 79									.3		.1	.1				.1			5	5															
78/ 77						.1		.1	.1	.1	.4								7	7															
76/ 75						.1	.3	.3	.3	.1	.1	.1							10	10															
74/ 73						.4	.6	.3	.1	.1	.1								12	12															
72/ 71				.1	.1	1.0	.6				.3								15	15															
70/ 69		.1		.6	1.7	1.7	.6	.3	.3										37	37															
68/ 67			.8	1.7	2.4	1.1	.3												45	45	3														
66/ 65		.3	2.0	8.2	3.3	.7	.3	.1											105	105	5														
64/ 63		1.1	6.9	8.8	2.3	.8													141	141	24														
62/ 61		2.7	9.8	4.8	1.4	.1													133	133	69														
60/ 59		5.9	7.4	2.7	.3														115	115	192														
58/ 57		3.1	3.5	.1															48	48	210														
56/ 55		.8	.4																9	9	126														
54/ 53		.1																	1	1	52														
52/ 51																					5														
50/ 49																																			
48/ 47																																			
46/ 45																																			
44/ 43																																			
42/ 41																																			
40/ 39																																			
38/ 37																																			
36/ 35																																			
34/ 33																																			
32/ 31																																			
30/ 29																																			
26/ 25																																			
Element (X)	Σx^2			Σx																															

PSYCHROMETRIC SUMMARY

YEARS

SELF
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-74

YEARS

55

PAGE 1 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 77

201

PAGE 1 0000-0200

2

YEARS

C7-70, 73-78

100 T
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
90/ 89																	.2	2	2																			
86/ 85													.1				.1	3	3																			
84/ 83										.1		.2	.2	.2		.2	.1	10	10																			
82/ 81												.2	.2	.4	.4	.1		11	11																			
80/ 79												.1		.2	.1			4	4																			
78/ 77									.1	.1	.1	.4	.5	.6	.1	.1		17	17																			
76/ 75					.1	.4	.2		.4	.2	.6	.9	.4	.1				27	27																			
74/ 73					.2	.1	1.0	.2	.6	.2	.2	.2	.5	.1				29	29																			
72/ 71				.1	.4	.4	.4	.7	1.0	.7	.4		.1					34	34																			
70/ 69				.1	1.1	1.2	1.1	1.0	.4	.5	.4	.1						48	48																			
68/ 67			.2	.7	2.4	2.0	1.1	.4		.1		.1						57	57	1																		
66/ 65		.1	.7	4.0	3.1	1.0	1.2	.4	.1	.1								87	87	8																		
64/ 63		1.1	2.5	4.5	2.4	1.2	.7	.4	.1	.1	.1							106	106	12																		
62/ 61		1.0	4.4	5.0	2.4	1.0	.2											112	112	65																		
60/ 59		1.5	5.7	3.4	1.2	.2	.1	.2										100	100	115																		
58/ 57	.1	4.0	3.6	1.2	.1	.1												74	74	175																		
56/ 55		5.6	.9	.2		.1												55	55	188																		
54/ 53	.1	2.4					.1											21	21	154																		
52/ 51	.1	.5																5	5	56																		
50/ 49		.2																2	2	17																		
48/ 47																				6																		
46/ 45																				5																		
44/ 43																				1																		
42/ 41																				1																		
40/ 39																																						
38/ 37																																						
36/ 35																																						
34/ 33																																						
32/ 31																																						
30/ 29																																						
28/ 27																																						
26/ 25																																						
24/ 23																																						
22/ 21																																						
Element (X)	ΣX^2			ΣX			\bar{X}	σ_X	No. Obs.		Mean No. of Hours with Temperature																											
Rel. Hum.																																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION NAME

67-70, 73-78

YEARS

NET
MONTH

PAGE 2

0900-1100
HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

HOURS . . . S. T.

[illegible]

AD-A082 417 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/S 4/9
VANDENBERG AFB, LONGOC, CALIFORNIA. REVISED UNIFORM SUMMARY OF --ETC(U)
AUG 78

UNCLASSIFIED USAFETAC/DS-00/020

44

3052

END
DATE
FILMED
5-80
DTIC

2

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

YEARS

25 OCT
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

67-70, 73-78

$\frac{110}{100}$
 MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 STATION VANDENBERG AFB CA STATION NAME

7-70, 73-78

YEARS

40V
MONTH

PAGE 2 0900-1100

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

 JULY
MONTH

PAGE 2 1200-1400
HOURS (L., S., T.)

[illegible]

YEARS

215
MONTH

PAGE 1 1200-1400
HOURS (L, S, T, J)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

67-70, 73-78

YEARS

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81														.1				1	1		
80/ 79										.1	.1							2	2		
78/ 77							.3	.1	.1	.1					.1			6	6		
76/ 75											.3	.3			.1			5	5		
74/ 73								.4										3	3		
72/ 71								.3	.5	.3	.5	.4						15	15		
70/ 69					.3	.8	.3	.5	.4	.3	.3							21	22		
68/ 67				.1	1.0	.6	.6	.1	.3	.6	.4							30	30	1	
66/ 65			.1	1.4	1.7	1.3	.8	.4	.3	.3	.1							49	49	2	
64/ 63		.3	.9	3.5	2.6	1.4	.8	.5	.3	.1								80	80	1	
62/ 61		.5	2.8	4.4	2.6	.9	.6											92	92	11	1
60/ 59		1.7	7.9	5.1	1.8	.9	.4		.1									140	140	55	6
58/ 57	.3	4.4	7.1	4.2	2.1	.3	.1	.1		.1								145	145	104	22
56/ 55		4.5	6.4	2.9	1.3	.1		.1	.1									121	121	197	68
54/ 53	.1	1.8	2.8	1.4	.1			.1										50	50	163	111
52/ 51		.4	1.2	.3			.1											15	15	118	155
50/ 49		.1		.1														2	2	67	110
48/ 47			.1	.1														2	2	26	84
46/ 45			.1															1	1	5	77
44/ 43																				5	40
42/ 41																				3	26
40/ 39																				2	23
38/ 37																					8
36/ 35																					10
34/ 33																					15
32/ 31																					7
30/ 29																					1
28/ 27																					6
26/ 25																					4
24/ 23																					1
22/ 21																					1
20/ 19																					1
18/ 17																					2
16/ 15																					1
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

67-70, 73-78

YEARS

405
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

7-70, 73-74

PAGE 1 1000-2000
NO. RE. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

67-70, 73-78

YEARS

MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0000-0200
HOURS (L S T)

PSYCHROMETRIC SUMMARY

47-70, 71

DEC
MONIA

PAGE 1 0300-0500
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

DEC

PAGE 1 0600-0000
HOURS (L, S, T, J)

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

DEC
MONTH

PAGE 1 0900-1100
HOURS (L, S, T, J)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

57-70, 73-78

YEARS

DEC
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31							Dew Point	
86/ 85											.1							1	1	1					
84/ 83										.1								1	1	1					
82/ 81											.1							1	1	1					
80/ 79										.1	.1							2	2	2					
78/ 77												.2	.1	.1	.1			5	5	5					
76/ 75								.1						.1				2	2	2					
74/ 73									.1		.5	.1	.5	.2				12	12	12					
72/ 71									.9	.6	1.1	.6	.2	.1				29	29	29					
70/ 69						.2	.4	.5	.6	.9	.6							26	26	26					
68/ 67					.4	1.1	.5	.4	1.0	.5	.1	.4						35	35	35					
66/ 65				.4	1.1	.7	1.6	1.2	1.2	.4								46	46	46	2				
64/ 63	.2	.1	1.7	1.7	2.3	1.8	1.1	.9	.2	.1								84	84	84					
62/ 61	.4	1.0	1.8	2.2	3.2	1.5	.7	.6	.2									95	95	95	7	2			
60/ 59	1.7	2.2	2.9	3.3	1.8	.9	.7	.1										112	112	112	18	3			
58/ 57	1.2	3.6	4.4	3.4	2.6	.9	.5	.2										137	137	137	63	11			
56/ 55	1.6	1.7	3.6	1.2	1.0	.6	.6											84	84	84	30	32			
54/ 53	1.1	2.0	1.7	.7	.5	.7	.4											58	58	58	152	38			
52/ 51	1.0	1.0	.7	.5	.6	1.0	.5	.1										44	44	44	162	59			
50/ 49	.6	.4	.2	.2	.6	.2	.5											23	23	23	137	56			
48/ 47	.4				.2													5	5	5	73	86			
46/ 45	.1	.2			.2		.1	.4										9	9	9	46	96			
44/ 43		.1					.1	.1										3	3	3	20	80			
42/ 41																					21	54			
40/ 39																					16	57			
38/ 37																					9	38			
36/ 35																					2	42			
34/ 33																					3	35			
32/ 31																					3	22			
30/ 29																						22			
28/ 27																						16			
26/ 25																						20			
24/ 23																						13			
22/ 21																						8			
20/ 19																						10			
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

2

GLOBAL CLIMATOLOGY BRANCH
USAF/CTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

7-70, 73-74

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MON 1984

PAGE 1 1500-1700

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA

7-70, 73-74, 77-78

DLC

PAGE 1 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
68/ 67											.2							1	1						
66/ 65										.2		.5						4	4						
64/ 63										.2								1	1						
62/ 61									.2	.2								2	2						
60/ 59		1.1				.2												7	7						
58/ 57		2.1	.2	.9	.2	.4	.2											22	22	15	7				
56/ 55	.2	4.6	.5	.9	.5	1.4												46	46	11	15				
54/ 53	.7	4.1	2.3	1.8	1.4	.2		.2										60	60	31	21				
52/ 51	.4	10.1	4.4	2.7	1.2	.2	.4											109	109	41	28				
50/ 49	.4	9.9	4.1	4.1	.7	.4	.2											111	111	89	38				
48/ 47		6.2	2.8	2.3	1.6	.4	.2											76	76	105	79				
46/ 45		5.0	2.3	1.6	.2	.7												55	55	83	59				
44/ 43		3.0	2.8	.2	.7	.4												40	40	66	57				
42/ 41		.2	.9	.2	.5	.2												11	11	50	51				
40/ 39		.7	.5	.4	.2	.4												12	12	33	52				
38/ 37		.2		.2	.2	.4												5	5	14	36				
36/ 35						.4												2	2	9	33				
34/ 33																				9	22				
32/ 31																				1	12				
30/ 29																				4	9				
28/ 27																				3	6				
26/ 25																					10				
24/ 23																					6				
22/ 21																					4				
20/ 19																					6				
18/ 17																					5				
16/ 15																					2				
12/ 11																					1				
10/ 9																					2				
8/ 7																					2				
6/ 5																					1				
TOTAL	1.6	47.2	20.9	15.1	7.4	5.3	.9	.2	.2	.5	.2	.5						504	504	504	504				
Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature																			
Ref. Hum.	3443990	42938	76.1	17.634	564	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	1417226	28146	49.9	4.735	564			.2				93													
Wet Bulb	1218392	26046	46.2	5.258	564		1.3					93													
Dew Point	1033565	23629	41.9	8.802	564		10.9					93													

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-75, 77

YEARS

DEC
MONTH

PAGE 1 4100-2200
HOURS: 5:31

PSYCHROMETRIC SUMMARY

93214 VANDENBERG AFB CA
STATION STATION NAME

67-70, 73-78

YEARS

110

PAGE 2

ALL

NO. 45 U. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

ALL
HOURS 1-5 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

ALL
HOURS i. S. T. M.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

STATION	STATION NAME	YEARS												
93214	VANDENBERG AFB CA	67-70, 73-79												
HRS (LST)	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	S D	47.1	49.2	48.1	47.8	51.0	52.7	54.0	54.6	56.5	54.3	52.6	46.4	51.2
	TOTAL OBS	6.302	4.647	4.320	3.416	3.284	3.181	2.225	2.165	4.002	3.798	4.905	5.761	5.176
		372	339	471	450	466	450	465	468	360	384	360	375	4960
03-05	MEAN	45.9	48.4	46.8	46.8	50.3	52.4	53.3	54.0	55.9	53.4	51.8	45.2	50.4
	S D	7.053	4.794	4.548	3.700	3.242	3.496	2.248	2.006	4.194	4.027	5.257	5.990	5.514
	TOTAL OBS	374	339	472	450	466	450	465	466	360	390	360	375	4967
06-08	MEAN	46.0	47.7	48.4	49.8	53.1	55.0	55.0	55.7	57.6	55.2	52.2	46.0	52.1
	S D	6.681	4.932	4.950	4.884	4.715	4.842	3.445	3.019	4.914	5.012	5.745	6.216	6.284
	TOTAL OBS	607	558	734	706	778	722	724	736	712	723	563	584	8147
09-11	MEAN	54.0	55.4	56.1	56.9	58.6	60.2	60.6	61.4	64.4	64.3	61.3	55.2	59.0
	S D	6.380	5.146	5.616	5.441	6.113	5.618	4.658	4.574	7.650	6.849	6.802	6.619	6.697
	TOTAL OBS	818	720	866	825	840	810	807	831	794	804	784	813	9712
12-14	MEAN	58.6	59.0	58.4	58.4	60.4	62.3	63.3	64.7	66.7	66.2	64.5	59.9	61.8
	S D	6.595	4.749	5.340	4.808	5.042	4.836	3.435	3.435	6.675	6.045	6.283	6.204	6.168
	TOTAL OBS	818	724	868	825	840	812	807	825	795	804	785	814	9717
15-17	MEAN	56.4	56.8	56.5	56.4	58.5	60.6	61.7	62.7	64.3	62.6	60.1	56.4	59.3
	S D	5.613	4.264	4.793	4.075	4.682	4.655	3.499	3.472	5.859	4.935	5.072	5.262	5.511
	TOTAL OBS	814	720	863	813	779	722	723	737	707	737	761	804	9200
18-20	MEAN	49.8	52.0	52.2	51.9	54.1	56.1	57.1	57.7	59.0	56.8	54.1	49.9	54.2
	S D	4.636	3.296	3.226	3.180	3.707	3.459	2.878	2.545	3.615	3.148	3.744	4.735	4.654
	TOTAL OBS	560	445	578	546	560	540	558	558	539	572	540	564	6560
21-23	MEAN	47.7	49.9	49.7	49.5	51.9	53.8	55.0	55.8	57.1	55.2	52.6	47.9	52.2
	S D	5.574	4.066	3.577	3.020	2.681	2.803	2.237	2.036	3.302	3.838	4.331	5.358	4.851
	TOTAL OBS	532	395	534	513	527	511	527	528	481	518	538	559	6163
ALL HOURS	MEAN	51.9	53.3	52.9	53.1	55.5	57.4	58.1	59.0	61.2	59.6	57.3	52.2	56.0
	S D	7.766	6.155	6.346	6.002	5.823	5.715	4.925	5.008	6.882	6.999	7.316	7.871	7.142
	TOTAL OBS	4895	4240	5386	5128	5256	5017	5076	5149	4748	4932	4711	4888	59426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

STATION	STATION NAME	YEARS												
HRS IL ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN S D TOTAL OBS	44.1 6.810 272	46.5 4.581 339	45.3 4.182 471	45.0 3.365 450	48.9 2.973 466	50.9 2.786 450	52.3 2.036 465	52.8 2.061 468	53.1 3.832 360	50.6 3.983 384	48.8 5.338 360	43.0 5.949 375	48.5 5.336 4960
03-05	MEAN S D TOTAL OBS	43.1 7.452 374	45.8 4.803 339	44.2 4.515 472	44.1 3.771 450	48.4 3.044 466	50.6 2.841 450	51.7 2.091 465	52.4 1.976 466	52.7 4.230 360	49.7 4.246 390	47.9 5.653 360	41.9 6.063 375	47.8 5.687 4967
06-08	MEAN S D TOTAL OBS	42.7 6.934 607	44.8 4.971 558	45.4 4.743 734	46.3 3.954 706	49.9 3.246 778	52.1 2.893 722	53.0 2.472 724	53.7 2.301 736	54.3 3.391 712	51.1 4.279 723	47.7 5.502 563	42.3 6.109 584	48.9 5.935 8147
09-11	MEAN S D TOTAL OBS	47.7 5.347 817	49.7 3.978 720	50.0 4.321 866	50.6 3.691 825	53.1 3.628 840	55.0 3.127 810	56.2 2.696 807	57.0 2.531 831	58.1 3.149 794	56.3 3.390 804	52.7 4.446 784	48.0 5.554 812	52.9 5.250 9710
12-14	MEAN S D TOTAL OBS	50.6 4.505 818	52.0 3.594 724	51.6 3.891 868	51.7 3.360 825	54.1 3.152 840	56.2 2.679 812	57.4 2.112 804	58.5 2.073 825	59.3 2.723 795	57.7 2.913 804	55.0 3.979 785	51.0 4.927 814	54.6 4.579 9714
15-17	MEAN S D TOTAL OBS	50.0 4.094 813	51.4 3.359 720	51.0 3.636 863	50.7 3.060 812	53.1 2.961 779	55.3 2.615 722	56.7 2.124 722	57.5 2.089 737	58.1 2.557 707	56.4 2.752 737	54.0 3.535 780	50.2 4.653 804	53.6 4.334 9196
18-20	MEAN S D TOTAL OBS	46.5 5.120 560	48.6 3.490 445	48.8 3.108 578	48.2 2.733 546	50.8 2.638 560	53.0 2.549 540	54.3 2.113 558	54.9 1.951 557	55.5 2.489 539	53.2 2.933 572	50.8 4.138 540	46.2 5.258 564	50.9 4.607 6559
21-23	MEAN S D TOTAL OBS	44.7 6.067 532	47.1 4.193 395	46.9 3.513 534	46.6 2.876 513	49.5 2.538 527	51.6 2.537 511	53.1 2.015 527	53.7 1.925 528	54.1 3.223 481	51.7 3.597 518	49.3 4.580 538	44.5 5.672 559	49.4 5.041 6163
ALL HOURS	MEAN S D TOTAL OBS	46.9 6.330 4893	48.8 4.801 4240	48.4 4.820 5386	48.5 4.297 5127	51.4 3.699 5256	53.5 3.422 5017	54.7 3.039 5072	55.5 3.059 5148	56.2 3.908 4748	54.0 4.509 4932	51.4 5.266 4710	46.7 6.378 4887	51.3 5.616 59416

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

STATION	STATION NAME	YEARS											
HRS (LST)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN 40.5 S D 8.821 TOTAL OBS 372	43.7 6.131 339	42.4 5.430 471	42.0 5.212 450	47.1 3.773 466	49.5 2.959 450	51.0 2.046 465	51.4 2.279 468	50.0 7.412 360	47.0 7.391 384	44.9 8.353 360	38.7 9.202 375	45.9 7.301 4960
03-05	MEAN 39.5 S D 9.189 TOTAL OBS 374	43.2 6.189 339	41.3 5.654 472	41.1 5.731 450	46.7 3.920 466	49.3 2.925 450	50.6 2.060 465	51.3 2.193 466	49.6 7.969 360	45.9 7.854 390	43.7 8.916 360	37.5 9.462 375	45.2 7.725 4967
06-08	MEAN 38.4 S D 9.247 TOTAL OBS 607	41.5 6.931 558	42.2 6.449 734	42.7 5.398 706	47.2 3.967 778	49.8 3.138 722	51.4 2.256 724	52.2 2.430 736	51.4 6.619 712	47.1 7.668 723	42.8 8.750 563	37.5 8.957 584	45.7 7.948 8147
09-11	MEAN 40.8 S D 9.351 TOTAL OBS 817	43.9 7.142 720	44.0 7.122 866	44.6 5.523 825	48.4 4.292 840	50.9 3.506 810	52.8 2.227 807	53.6 2.554 831	53.3 6.045 794	49.7 7.561 804	44.7 8.564 784	40.1 9.653 812	47.2 8.045 9710
12-14	MEAN 42.6 S D 8.877 TOTAL OBS 818	45.4 6.910 724	45.2 6.594 868	45.6 4.950 825	48.7 3.922 840	51.2 3.378 812	52.9 2.233 804	53.7 2.380 825	53.9 5.417 795	51.0 6.684 804	46.7 7.930 785	42.0 9.473 814	48.2 7.384 9714
15-17	MEAN 43.6 S D 7.646 TOTAL OBS 913	46.3 6.130 720	45.8 5.512 863	45.4 4.409 812	48.4 3.626 779	50.9 3.157 722	52.7 2.182 722	53.5 2.181 737	53.5 5.120 707	51.3 5.692 737	48.5 6.551 780	43.9 8.490 804	48.5 6.491 9196
18-20	MEAN 42.8 S D 7.477 TOTAL OBS 560	45.3 5.981 445	45.5 4.238 578	44.7 4.224 546	48.0 3.401 560	50.5 2.631 540	52.1 2.001 558	52.7 1.975 557	52.6 4.873 539	50.0 5.154 572	47.6 6.283 540	41.9 8.802 564	47.8 6.321 6559
21-23	MEAN 41.3 S D 8.137 TOTAL OBS 532	44.2 5.941 395	43.9 4.816 534	43.6 4.550 513	47.5 3.510 527	49.9 2.849 511	51.6 2.008 527	52.2 2.115 528	51.5 5.729 481	48.5 5.928 518	46.1 6.934 538	40.3 8.831 559	46.7 6.828 6163
ALL HOURS	MEAN 41.4 S D 8.757 TOTAL OBS 4893	44.4 6.689 4240	44.0 6.134 5386	44.0 5.226 5127	47.9 3.900 5256	50.4 3.198 5017	52.0 2.289 5072	52.8 2.460 5148	52.4 6.196 4748	49.2 7.014 4932	45.9 7.980 4710	40.6 9.354 4887	47.1 7.392 59416

2

2

JAN

STATION

STATION NAME

PERIOD

MONTH

2

2

FORM
143.54

0-87-5 (OL A)

RELATIVE HUMIDITY

FEB

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATI-E HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.7	95.9	90.3	82.6	70.8	27.1	82.1	339
	03-05	100.0	100.0	100.0	100.0	97.6	92.0	85.5	71.7	23.0	82.6	339
	06-08	100.0	100.0	99.8	98.9	94.8	86.6	77.2	59.7	24.2	80.2	558
	09-11	100.0	99.9	97.1	89.2	78.6	66.1	51.1	29.6	11.0	68.2	720
	12-14	100.0	99.0	97.0	86.5	76.2	60.4	38.5	14.4	3.5	63.3	724
	15-17	100.0	99.3	98.2	93.2	88.1	77.9	57.2	22.1	5.4	69.9	720
	18-20	100.0	99.8	99.1	97.8	94.4	89.4	84.3	56.6	13.5	79.4	445
	21-23	100.0	100.0	100.0	99.0	95.9	90.1	83.3	65.3	21.5	81.3	395
TOTALS		100.0	99.8	98.9	95.5	90.2	81.6	70.0	48.8	16.2	75.9	4240

FORM
HUL 64

0-87-5 (OL A)

2

MAK

MONTH

;

1

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

APK

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.8	99.6	97.8	89.1	78.4	63.8	24.9	81.1	450
	03-05	100.0	100.0	99.6	99.3	97.3	90.0	79.1	64.2	27.1	81.5	450
	06-08	100.0	100.0	99.6	98.6	94.9	85.1	71.7	50.3	22.8	78.3	706
	09-11	100.0	99.8	97.9	95.3	82.7	63.3	41.1	17.9	4.0	65.7	825
	12-14	100.0	99.6	98.7	95.0	84.6	64.8	29.3	8.0	2.1	63.9	825
	15-17	100.0	100.0	99.9	98.2	89.8	74.8	43.3	11.6	2.3	67.6	812
	18-20	100.0	100.0	100.0	99.8	97.6	88.3	76.0	41.6	10.4	77.3	546
	21-23	100.0	100.0	100.0	99.8	98.2	90.3	80.7	62.2	20.5	81.0	513
TOTALS		100.0	99.9	99.4	98.2	92.9	80.7	62.5	40.0	14.3	74.6	5127

2

MAY

MONTH

•

D

2

RELATIVE HUMIDITY

67-70, 73-78

JUN

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.8	98.7	98.0	90.9	42.7	88.7	450
	03-05	100.0	100.0	100.0	99.6	99.1	98.0	97.8	91.1	51.3	89.3	450
	06-08	100.0	99.6	99.2	98.6	97.5	95.8	89.1	66.6	32.8	83.6	722
	09-11	100.0	99.5	98.9	98.3	95.2	87.2	57.3	24.8	6.4	72.7	810
	12-14	100.0	99.5	98.5	98.3	95.6	80.4	39.2	8.1	.9	68.0	812
	15-17	100.0	99.4	98.9	98.2	97.1	88.5	53.3	14.0	1.9	71.3	722
	18-20	100.0	100.0	99.8	99.6	99.4	99.1	93.3	52.4	10.0	81.5	540
	21-23	100.0	100.0	100.0	100.0	99.8	99.2	98.8	80.6	28.0	86.5	511
TOTALS		100.0	99.8	99.4	99.1	97.9	93.4	78.4	53.6	21.8	80.2	5017

RELATIVE HUMIDITY

JUL

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.4	96.1	34.8	89.1	465
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.2	48.4	90.3	465
	06-08	100.0	100.0	100.0	100.0	99.9	98.8	95.2	82.6	43.1	87.8	724
	09-11	100.0	100.0	100.0	99.9	98.8	91.2	69.6	34.1	7.2	76.2	807
	12-14	100.0	100.0	100.0	100.0	98.5	85.4	42.2	5.2	.1	69.4	804
	15-17	100.0	100.0	100.0	100.0	98.5	90.6	61.2	12.2	.6	72.6	722
	18-20	100.0	100.0	100.0	100.0	100.0	99.1	95.2	69.0	9.3	83.4	558
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.4	93.2	24.9	87.9	527
TOTALS		100.0	100.0	100.0	100.0	99.5	95.6	82.8	61.2	21.1	82.1	5072

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.8	99.6	99.6	95.1	36.5	88.8	468
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.8	97.6	41.8	90.0	466
	06-08	100.0	100.0	100.0	99.9	99.9	98.9	96.2	82.2	43.8	88.0	736
	09-11	100.0	100.0	99.8	99.5	98.3	90.1	67.7	38.3	10.1	76.4	831
	12-14	100.0	100.0	100.0	99.5	97.5	82.4	36.5	4.7		68.0	825
	15-17	100.0	100.0	100.0	100.0	98.0	92.3	57.7	11.8		72.3	737
	18-20	100.0	100.0	100.0	100.0	99.8	99.5	95.9	68.8	6.5	83.2	557
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.2	93.0	19.9	87.3	528
TOTALS		100.0	100.0	100.0	99.9	99.2	95.4	81.6	61.4	19.8	81.8	5148

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

SEp

STATION

STATION NAME

PERIOD

MONITOR

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	98.3	96.7	92.8	90.8	90.0	86.4	75.3	27.2	81.5	360
	03-05	100.0	98.3	95.6	92.5	90.8	90.0	87.8	75.8	31.1	82.2	360
	06-08	100.0	98.5	96.1	94.1	92.1	90.2	86.5	71.5	37.5	82.6	712
	09-11	99.0	96.5	92.9	90.8	87.7	79.1	59.7	36.4	13.0	71.6	794
	12-14	99.2	96.6	95.1	92.1	87.3	74.6	43.0	14.1	3.1	66.5	795
	15-17	99.7	97.2	95.8	93.5	90.7	81.3	59.4	25.6	2.4	70.7	707
	18-20	100.0	99.8	97.6	96.1	93.5	92.6	86.5	67.5	15.2	81.0	539
	21-23	100.0	99.8	98.5	95.8	93.3	91.9	89.2	76.3	24.7	82.9	481
TOTALS		99.7	98.1	96.0	93.5	90.8	86.2	74.8	55.3	19.3	77.4	4748

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

NCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NCT	00-02	100.0	99.5	97.4	94.0	88.0	84.9	78.9	63.5	20.8	78.7	384
	03-05	100.0	99.5	96.7	93.1	86.9	82.8	75.9	62.3	24.9	78.1	390
	06-08	100.0	99.0	96.4	91.4	86.6	81.9	75.0	58.0	22.7	77.0	723
	09-11	100.0	95.8	89.3	83.3	75.4	63.2	42.8	21.3	7.8	63.8	804
	12-14	100.0	95.3	92.0	86.4	77.6	61.8	32.3	10.9	1.1	61.6	804
	15-17	100.0	98.4	95.7	92.5	88.3	78.3	54.7	20.1	2.6	69.2	737
	18-20	100.0	100.0	99.5	97.6	92.5	88.8	82.3	55.2	12.9	79.0	572
	21-23	100.0	100.0	99.2	97.3	90.9	85.5	80.3	66.6	18.1	79.7	518
TOTALS		100.0	98.4	95.8	92.0	85.8	78.4	65.3	44.7	13.9	73.4	4932

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

2

RELATIVE HUMIDITY

NUV

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	95.0	87.2	80.0	72.8	55.0	23.3	77.1	360
	03-05	100.0	100.0	98.3	94.2	85.3	76.7	69.4	56.7	21.4	76.1	360
	06-08	100.0	100.0	97.9	91.8	82.9	73.0	63.6	45.8	18.5	73.2	563
	09-11	100.0	96.8	88.8	75.9	61.6	49.0	33.7	17.9	5.0	58.8	784
	12-14	100.0	96.6	89.3	79.0	63.2	44.2	23.3	7.1	1.4	56.1	785
	15-17	100.0	99.1	95.3	91.0	84.9	73.3	52.6	22.7	4.1	68.1	780
	18-20	100.0	100.0	99.4	98.5	93.7	89.3	82.6	58.3	15.4	79.7	540
	21-23	100.0	100.0	100.0	97.4	90.9	86.1	79.4	63.4	23.6	79.9	538
TOTALS		100.0	99.1	96.1	90.4	81.2	71.5	59.7	40.9	14.1	71.1	4710

USAFETAC FORM 0-87-5 (OL A)
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-78

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	99.2	96.5	95.5	92.8	82.9	67.7	53.1	21.1	76.8	375
	03-05	100.0	98.4	96.8	95.2	92.8	83.2	71.2	52.5	23.5	76.8	375
	06-08	100.0	99.1	98.1	95.2	89.0	78.9	64.7	46.6	15.2	74.3	584
	09-11	100.0	97.9	91.7	79.7	66.3	51.0	37.3	20.0	5.3	60.5	812
	12-14	100.0	97.4	86.5	73.6	58.0	42.0	24.7	11.4	2.8	55.4	814
	15-17	100.0	98.8	94.7	87.9	77.6	64.9	46.5	25.0	6.0	65.8	804
	18-20	100.0	99.5	97.3	94.9	89.5	81.0	69.0	52.0	18.4	76.1	564
	21-23	100.0	99.6	97.9	95.2	91.6	83.7	69.4	52.1	21.3	76.8	559
TOTALS		100.0	98.7	94.9	89.7	82.2	71.0	56.3	39.1	14.2	70.3	4887

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93214 VANDENBERG AFB CA

67-70, 73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.1	97.1	93.0	85.8	76.3	61.5	42.1	13.8	72.7	4893
FEB		100.0	99.8	98.9	95.5	90.2	81.6	70.0	48.8	16.2	75.9	4240
MAR		100.0	99.8	98.9	96.6	92.3	83.8	68.8	41.5	13.2	75.2	5386
APR		100.0	99.9	99.4	98.2	92.9	80.7	62.5	40.0	14.3	74.6	5127
MAY		100.0	99.9	99.7	98.5	96.4	89.6	73.2	48.4	18.8	78.5	5256
JUN		100.0	99.8	99.4	99.1	97.9	93.4	78.4	53.6	21.8	80.2	5017
JUL		100.0	100.0	100.0	100.0	99.5	95.6	82.8	61.2	21.1	82.1	5072
AUG		100.0	100.0	100.0	99.9	99.2	95.4	81.6	61.4	19.8	81.8	5148
SEP		99.7	98.1	96.0	93.5	90.8	86.2	74.8	55.3	19.3	77.4	4748
OCT		100.0	98.4	95.8	92.0	85.8	78.4	65.3	44.7	13.9	73.4	4932
NOV		100.0	99.1	96.1	90.4	81.2	71.5	59.7	40.9	14.1	71.1	4710
DEC		100.0	98.7	94.9	89.7	82.2	71.0	56.3	39.1	14.2	70.3	4887
TOTALS		100.0	99.4	98.0	95.5	91.2	83.6	69.6	48.1	16.7	76.1	59416

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

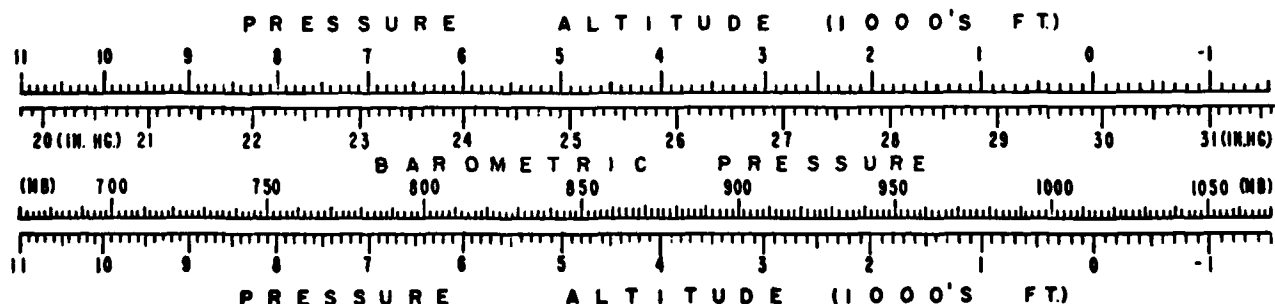
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	29.688	29.639	29.646	29.647	29.598	29.537	29.551	29.527	29.510	29.584	29.641	29.674	29.601	
	S. D.	.138	.135	.118	.092	.092	.065	.048	.069	.064	.085	.116	.136	.114	
	TOTAL OBS	124	113	157	150	155	150	155	156	120	128	120	125	1653	
04	MEAN	29.677	29.618	29.627	29.629	29.585	29.527	29.546	29.520	29.501	29.571	29.632	29.670	29.590	
	S. D.	.144	.137	.114	.090	.092	.064	.047	.068	.063	.086	.118	.138	.114	
	TOTAL OBS	125	113	157	150	155	150	155	155	120	128	120	125	1653	
07	MEAN	29.689	29.664	29.641	29.655	29.595	29.552	29.570	29.559	29.539	29.600	29.665	29.702	29.611	
	S. D.	.141	.130	.123	.091	.090	.067	.054	.066	.069	.080	.107	.126	.109	
	TOTAL OBS	187	171	226	221	280	269	269	274	263	262	180	188	2790	
10	MEAN	29.712	29.694	29.665	29.666	29.610	29.567	29.585	29.577	29.560	29.624	29.687	29.727	29.639	
	S. D.	.144	.136	.123	.091	.089	.068	.054	.067	.069	.080	.108	.130	.116	
	TOTAL OBS	272	240	289	275	280	270	269	277	265	268	261	271	3237	
13	MEAN	29.661	29.664	29.641	29.646	29.601	29.565	29.579	29.563	29.537	29.591	29.642	29.672	29.613	
	S. D.	.141	.134	.122	.107	.087	.069	.053	.066	.070	.078	.110	.130	.110	
	TOTAL OBS	274	241	290	275	280	271	269	275	265	268	262	271	3241	
16	MEAN	29.650	29.639	29.616	29.622	29.578	29.545	29.555	29.535	29.511	29.574	29.627	29.660	29.592	
	S. D.	.142	.134	.121	.089	.086	.069	.053	.066	.069	.078	.107	.130	.110	
	TOTAL OBS	270	240	288	275	280	268	269	274	264	268	260	267	3223	
19	MEAN	29.680	29.648	29.629	29.635	29.587	29.536	29.552	29.523	29.514	29.589	29.652	29.688	29.602	
	S. D.	.144	.131	.126	.088	.089	.066	.050	.064	.071	.084	.107	.128	.115	
	TOTAL OBS	187	141	193	181	186	180	186	186	180	191	180	188	2179	
22	MEAN	29.697	29.664	29.656	29.661	29.609	29.552	29.569	29.542	29.529	29.602	29.666	29.703	29.620	
	S. D.	.142	.133	.121	.089	.090	.067	.051	.074	.071	.085	.107	.129	.116	
	TOTAL OBS	185	141	188	181	185	180	186	186	180	191	177	186	2166	
ALL HOURS	MEAN	29.681	29.657	29.640	29.646	29.596	29.550	29.566	29.547	29.529	29.594	29.653	29.688	29.610	
	S. D.	.143	.135	.122	.094	.090	.068	.053	.070	.071	.083	.111	.132	.114	
	TOTAL OBS	1624	1400	1788	1708	1801	1738	1758	1783	1657	1704	1560	1621	20142	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93214 VANDENBERG AFB CA

67-70, 73-79

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	1019.1	1017.4	1017.7	1017.7	1016.0	1013.9	1014.4	1013.6	1013.0	1015.5	1017.5	1018.6	1016.1	
	S.D.	4.692	4.644	4.038	3.173	3.177	2.232	1.649	2.373	2.204	2.924	3.983	4.673	3.931	
	TOTAL OBS	124	113	157	150	155	150	155	156	120	128	120	125	1653	
04	MEAN	1018.8	1016.7	1017.0	1017.1	1015.6	1013.6	1014.2	1013.3	1012.7	1015.1	1017.2	1018.5	1015.7	
	S.D.	4.886	4.683	3.921	3.086	3.168	2.194	1.620	2.314	2.201	2.953	4.040	4.721	3.908	
	TOTAL OBS	124	113	157	150	155	150	155	155	120	128	120	125	1652	
07	MEAN	1019.2	1018.3	1017.5	1018.0	1015.9	1014.4	1015.0	1014.6	1014.0	1016.1	1018.3	1019.6	1016.4	
	S.D.	4.859	4.510	4.245	3.107	3.048	2.338	1.838	2.220	2.358	2.734	3.689	4.329	3.751	
	TOTAL OBS	186	171	226	221	280	269	269	273	263	262	180	188	2788	
10	MEAN	1020.0	1019.3	1018.2	1018.3	1016.4	1014.9	1015.5	1015.2	1014.6	1016.8	1019.0	1020.4	1017.4	
	S.D.	4.927	4.709	4.309	3.152	3.069	2.357	1.848	2.228	2.400	2.824	3.683	4.470	3.994	
	TOTAL OBS	272	240	289	275	280	270	269	277	265	268	261	271	3237	
13	MEAN	1018.1	1018.3	1017.5	1017.8	1016.1	1014.8	1015.3	1014.7	1013.8	1015.7	1017.4	1018.5	1016.5	
	S.D.	4.918	4.579	4.191	3.067	3.014	2.368	1.826	2.221	2.423	2.678	3.782	4.452	3.757	
	TOTAL OBS	273	241	289	275	280	271	269	275	264	268	262	270	3237	
16	MEAN	1017.8	1017.5	1016.6	1016.8	1015.3	1014.2	1014.5	1013.8	1013.0	1015.1	1017.0	1018.1	1015.8	
	S.D.	4.933	4.586	4.171	3.054	2.979	2.374	1.801	2.213	2.368	2.682	3.690	4.474	3.774	
	TOTAL OBS	270	240	288	274	280	268	269	274	264	268	260	266	3221	
19	MEAN	1018.9	1017.7	1017.1	1017.3	1015.6	1013.9	1014.4	1013.4	1013.1	1015.7	1017.8	1019.1	1016.2	
	S.D.	4.953	4.504	4.308	3.006	3.044	2.295	1.721	2.203	2.444	2.893	3.697	4.409	3.973	
	TOTAL OBS	187	141	193	181	186	180	186	186	179	191	180	188	2178	
22	MEAN	1019.4	1018.3	1018.0	1018.2	1016.4	1014.4	1015.0	1014.0	1013.6	1016.1	1018.3	1019.6	1016.8	
	S.D.	4.872	4.561	4.146	3.038	3.094	2.298	1.749	2.284	2.455	2.924	3.671	4.419	3.978	
	TOTAL OBS	186	141	188	181	185	180	186	186	180	191	179	186	2169	
ALL HOURS	MEAN	1018.9	1018.1	1017.4	1017.7	1015.9	1014.3	1014.9	1014.2	1013.6	1015.8	1017.9	1019.1	1016.4	
	S.D.	4.924	4.643	4.211	3.124	3.078	2.354	1.831	2.337	2.449	2.849	3.811	4.534	3.907	
	TOTAL OBS	1622	1400	1787	1707	1801	1738	1758	1782	1655	1704	1562	1619	20135	